

FEB 27, 2015

#174

Apple Magazine

HEALTH APP

IMPROVING
YOUR LIFE

DOCTORS SAY FITNESS TRACKERS,
HEALTH APPS CAN BOOST CARE

OSCARS 2015

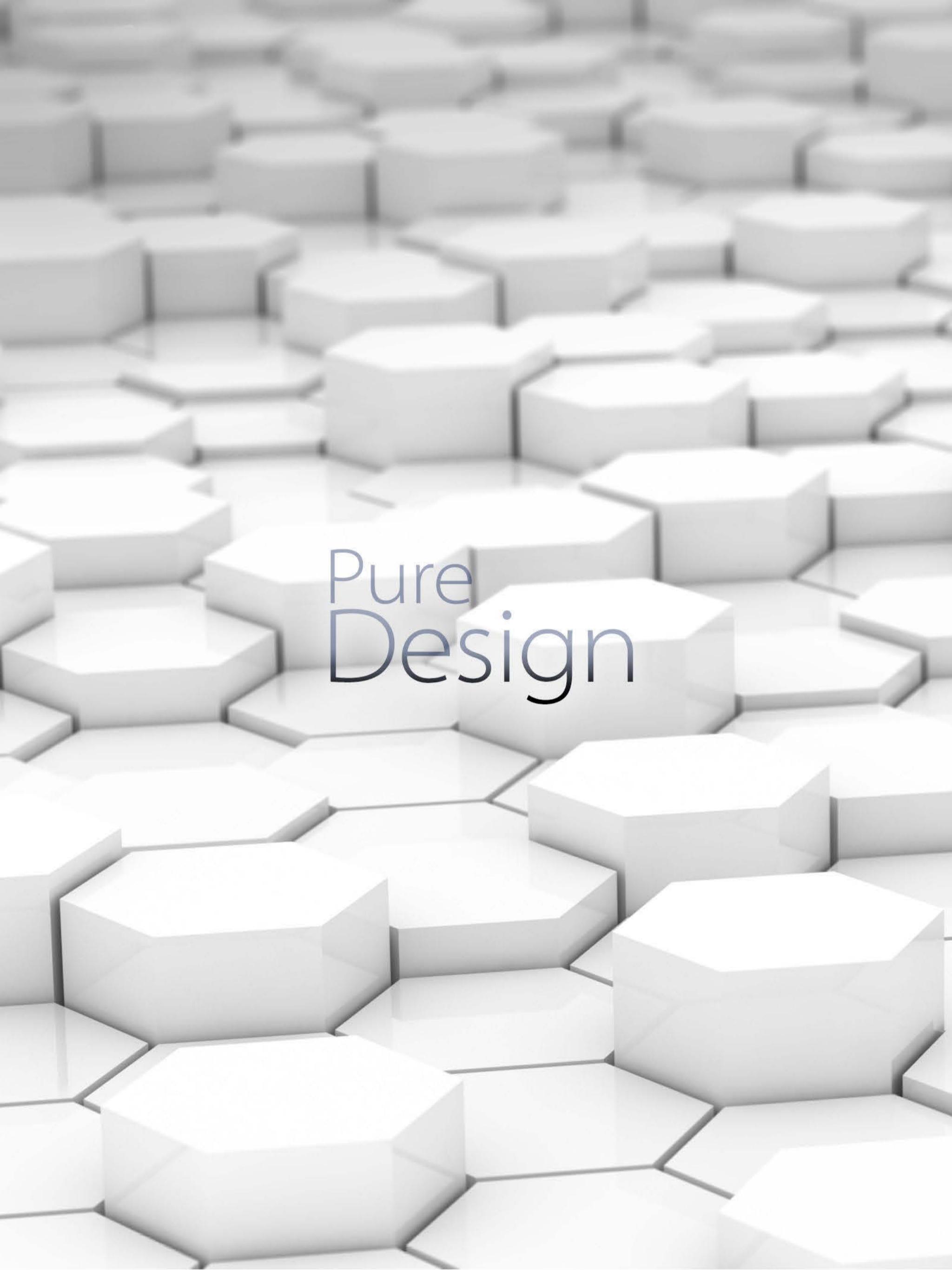
MEMORABLE
MOMENTS

ALL OF THE HIGHLIGHTS OF
ACADEMY AWARDS 2015



APPLE CAR

TALK OF PROJECT 'TITAN'



Pure
Design

When choosing MINDFIELD DIGITAL™ and our DBMD™ Program for your development services, you can be sure you will receive an app that will save you money and resources using the most advanced design and interface concepts.

We follow an Application Development Cycle where every step is carried out to maximum perfection. Our application developers are experienced and knowledgeable, and are skilled at delivering top high tech Apps.

Our team is constantly looking for promising partners in order to improve our quality, broaden our experience and create a global range of Apps with the most impressive conceptual designs, 3D Graphics and Sound FX.

mindfielddigital.com



MINDFIELD DIGITAL

Apple Magazine™



Instant Access

Delivered to You Digitally Every Month

Available Online & Offline

Available Anywhere, Anytime

www.zinio.com/applemagazine



Window 8



Desktop Reader

zinio™

SUMMARY

**DOCTORS SAY FITNESS
TRACKERS, HEALTH APPS CAN
BOOST CARE**



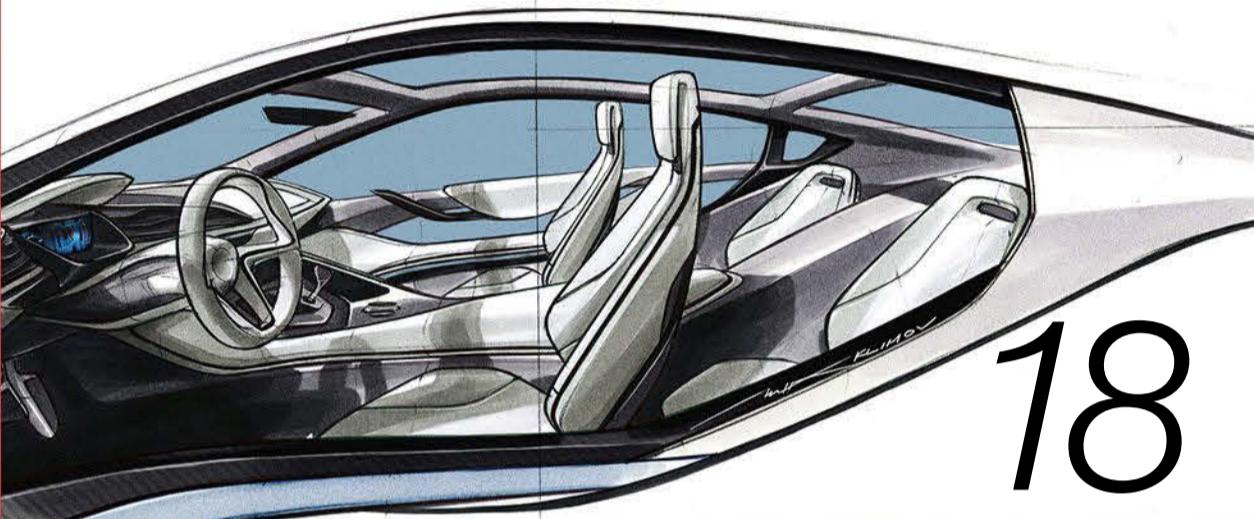
40

**SCIENCE: MOST OF GREAT
LAKES SURFACE FROZEN FOR
SECOND STRAIGHT YEAR**



98

APPLE 'COULD CREATE AN ELECTRIC CAR'
APPLE DECLINES TO COMMENT ON REPORTS



18

**ALL OF THE HIGHLIGHTS
OF OSCARS 2015**

PREDICTABLE VICTORS,
UNPREDICTABLE SHOW

54



Columns

LENOVO SHIPPED LAPTOPS WITH SECURITY FLAW, EXPERTS SAY **06**

US MUSEUM LETS 'IMITATION GAME' FANS ENCRYPT THEIR OWN CODES **12**

YOUTUBE TO RELEASE KIDS APP TO EASE PARENTS' WORRIES **36**

IN APPLE'S LATEST UPDATE, EMOJIS GET DIVERSE **70**

APPLE TO SET UP HIGH-TECH DATA HUBS IN NORTHERN EUROPE **92**

DISNEY ANIMATORS WIN OSCAR 2 YEARS IN A ROW **104**

HEALTH: EARLY EXPOSURE TO PEANUTS HELPS PREVENT ALLERGIES IN KIDS **120**

TOP 10 APPS **72**

iTUNES REVIEW **76**

TOP 10 SONGS **110**

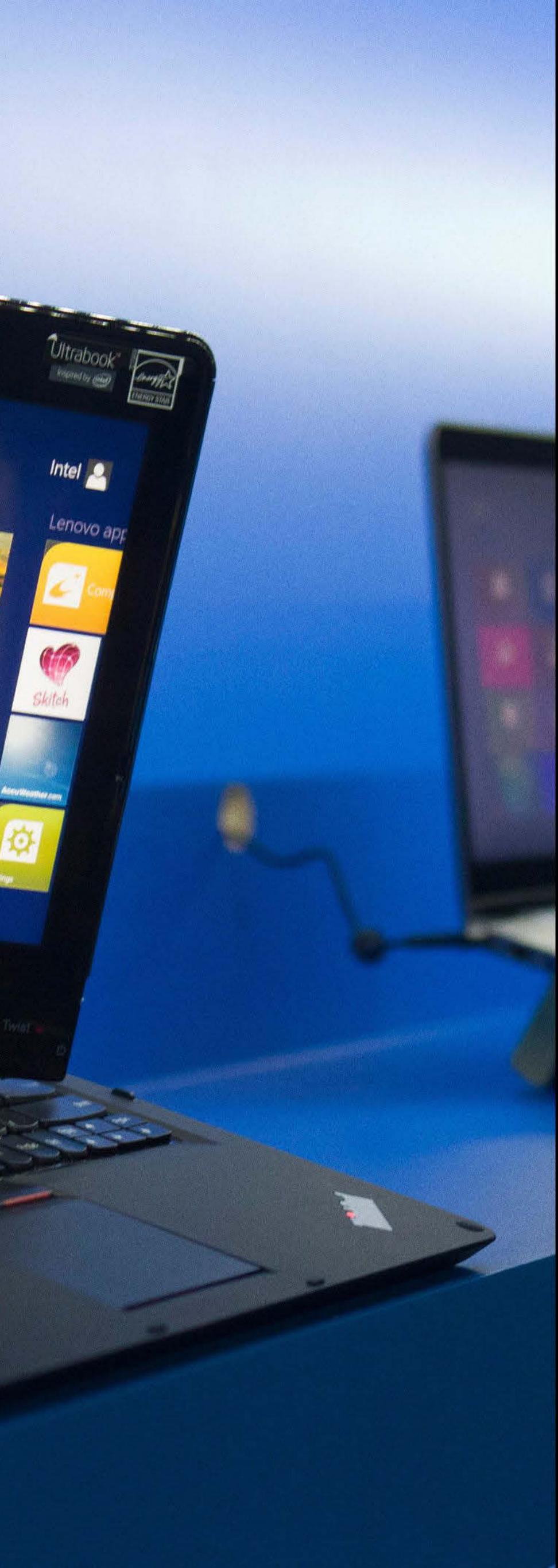
TOP 10 ALBUMS **112**

TOP 10 MUSIC VIDEOS **114**

TOP 10 TV SHOWS **116**

TOP 10 BOOKS **118**





LENOVO SHIPPED LAPTOPS WITH SECURITY FLAW, EXPERTS SAY

If you've recently purchased a laptop computer made by Lenovo, you may want to hear this: Experts say the world's biggest computer maker shipped laptops with pre-installed software that could let hackers steal passwords or other sensitive information when you use the web to shop, pay bills or check email.

Lenovo said Thursday that it has disabled the offending software, known as Superfish, and will provide customers with a tool that permanently removes the program from their computers. The company initially said its own investigation didn't find "any evidence to substantiate security concerns." But it later removed that sentence from a statement on its website.

The problem affects an unknown number of computers: Lenovo said it shipped "some" laptops with Superfish between September and December last year, before it stopped because of customer complaints. That could cover a large number of machines. Lenovo shipped more than 16 million laptop and desktop machines in the fourth quarter.



Superfish wasn't intended as malware. Lenovo has said it was designed to show targeted ads by analyzing images of products that a user might see on the web and then presenting "identical and similar product offers that may have lower prices." Lenovo said the software doesn't track users or collect any identifying information.

But some users initially complained the software shows unwanted "pop-up" ads. And this week, several independent experts reported that Superfish works by substituting its own security key for the encryption certificates that many websites use to protect users' information. "This means that anyone affected by this adware cannot trust any secure connections they make," researcher Marc Rogers wrote on his blog.

What's worse, experts said, is that Superfish appears to re-use the same encryption certificate for every computer, which means a hacker who cracked the Superfish key could have broad access to a variety of online transactions. Robert Graham, chief executive of Errata Security, boasted in a blog post Thursday that he was able to figure out the Superfish encryption password in a few hours.

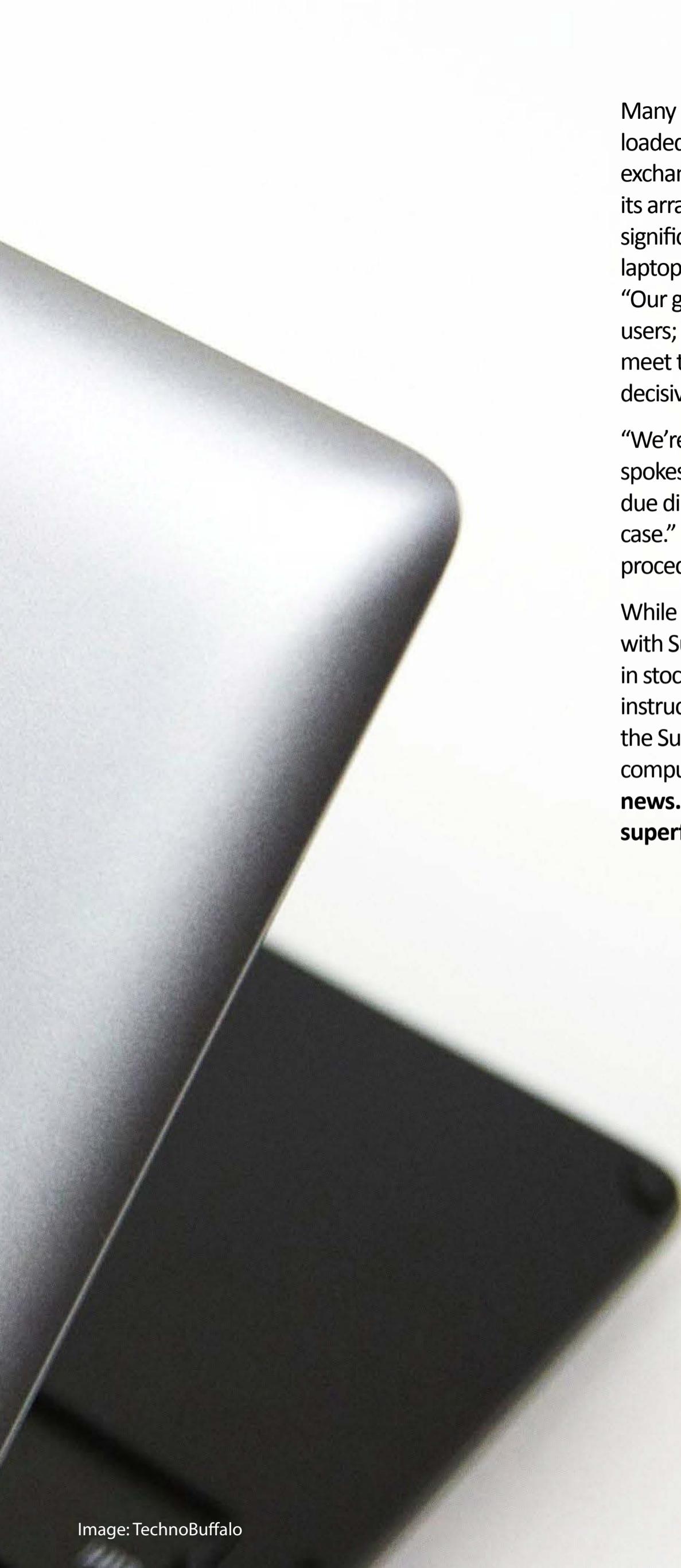
So far, there's been no evidence that hackers have used the vulnerability to steal information. To do that, some experts said, a hacker would probably need to search for owners of laptops that have the Superfish software and are using a public Wi-Fi connection to visit secure websites.

But some critics blasted Lenovo for acting irresponsibly by installing the software. "Lenovo has not just injected ads in a wildly inappropriate manner, but engineered a massive security catastrophe for its users," said the Electronic Frontier Foundation, an Internet advocacy group, in a blog post Thursday.

Superfish is made by a tech startup based in Silicon Valley and Israel. A spokesperson wasn't immediately available for comment.



lenovo



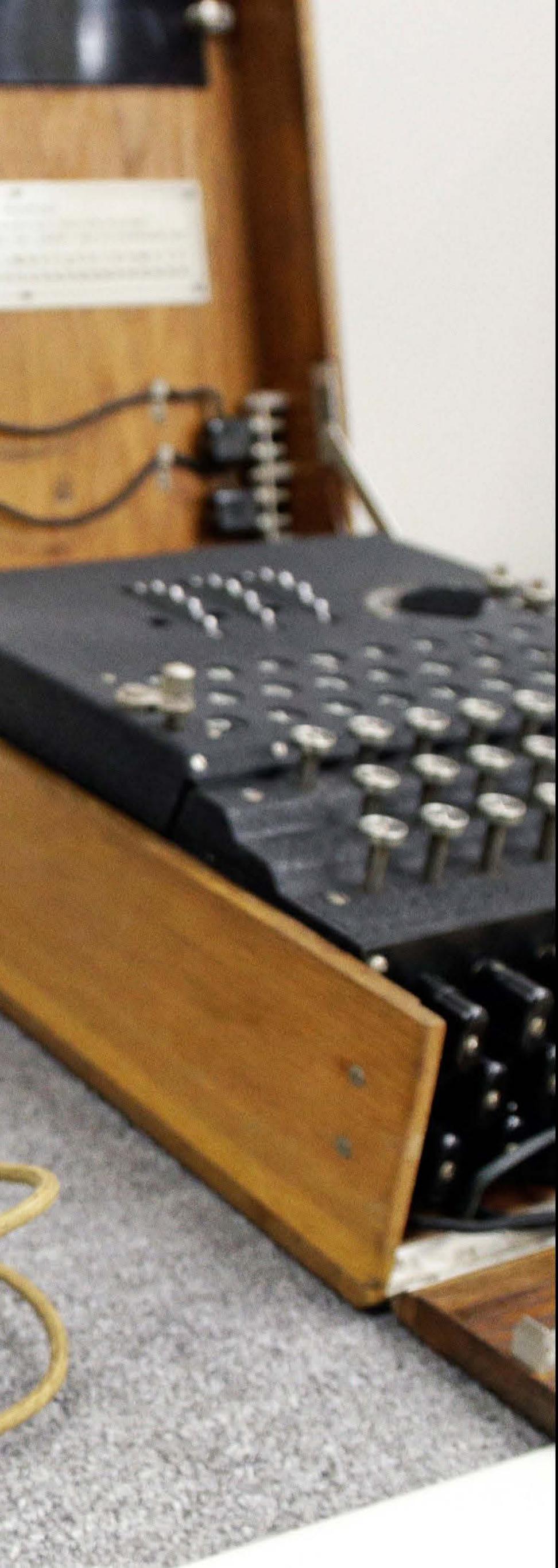
Many PC-makers ship computers with pre-loaded software from other companies, often in exchange for commissions or fees. Lenovo said its arrangement with Superfish is “not financially significant.” The company said it stopped selling laptops with the program in January and added: “Our goal was to enhance the experience for users; we recognize that the software did not meet that goal and have acted quickly and decisively.”

“We’re not claiming it wasn’t a mistake,” Lenovo spokesman Brion Tingler added Thursday. “We do due diligence and it wasn’t good enough in this case.” He added that the company is reviewing its procedures.

While Lenovo says it stopped shipping computers with Superfish in January, some may still be in stock at retailers. Lenovo posted detailed instructions for removing the software and the Superfish encryption certificate from its computers. They can be found at: <http://news.lenovo.com/images/20034/remove-superfish-instructions.pdf>



Image: AP Photo/Elise Amendola



US MUSEUM LETS 'IMITATION GAME' FANS ENCRYPT THEIR OWN CODES

A little-known war museum outside Boston is drawing back the curtain on a key secret of “The Imitation Game,” giving visitors a rare chance to use the complex Nazi Enigma coding machines at the center of the Oscar-nominated film.

The Museum of World War II’s new exhibit “The Most Secret Top Secret: The German Enigma Code Machines” is billed as the largest public display of the encryption machines, which the Nazis used for nearly every level of military communication, from the mundane to the top secret.

Among the nine machines in the exhibit are two that visitors can use to encrypt and decrypt their own messages.

Museum founder and historian Kenneth Rendell says only the National Security Agency has more Enigma coding machines. The NSA owns more than 50 and loans them out to museums around the country.

“But this is the only collection where you actually can touch the machines and you can operate

them," he said Thursday from his museum 20 miles outside Boston. It's regarded by many history buffs as one of the more comprehensive collections of World War II artifacts in the U.S.

Rendell says “The Imitation Game,” which stars Benedict Cumberbatch and Keira Knightley, may fudge some facts and amp up the drama, but it still gets a lot right about the Allied effort to crack the Germans’ sophisticated communications code during World War II.

He says the movie's biggest achievements are introducing the critical wartime contributions of pioneering British mathematician and computer scientist Alan Turing to new audiences and showcasing the legendary complexity of the Nazi code machines.

"It's too bad that many of the folks depicted in the movie did not live long enough to see their story told," Rendell said.

He says the movie shows the importance of the “intellectual side” of warfare: how technologies like computers, radar, jet engines and plastics were developed or refined during the war years.

Turing, who died in 1954 of cyanide poisoning, is widely considered a founding father of computer science. His work led to the development of concepts like artificial intelligence.

But Rendell acknowledges that the movie makes some missteps.

"All of this drama about him being blackmailed during the war because he was gay, it wasn't true. In those circles, I just don't think anyone cared," Rendell said. "And there were a lot of women breaking codes at Bletchley Park, not just one."

Critics and historians have noted other liberties in the movie, which is up for best picture and seven other awards when the Academy Awards air Sunday night.

For example, the name of Turing's code-breaking machine in the film is Christopher, apparently



FILM
IS
GREAT

BRITAIN & NORTHERN IRELAND

The Imitation Game
tells the remarkable story
of Alan Turing who led the Bletchley
team and cracked the Enigma

This WWII Enigma machine is
from the personal collection
of David Bohnett.

Follow us on @UKinCalifornia and @UKinNI
#FilmIsGREAT





after a childhood crush. It was actually called Victory.

Rendell suggests Turing's mathematical genius was also helped, in no small part, by human error.

The Nazis were either too confident no one would crack their code, he says, or they simply became careless over time. "Human nature was really a big element," he says. "Because it was supposed to be unbreakable, people relaxed."



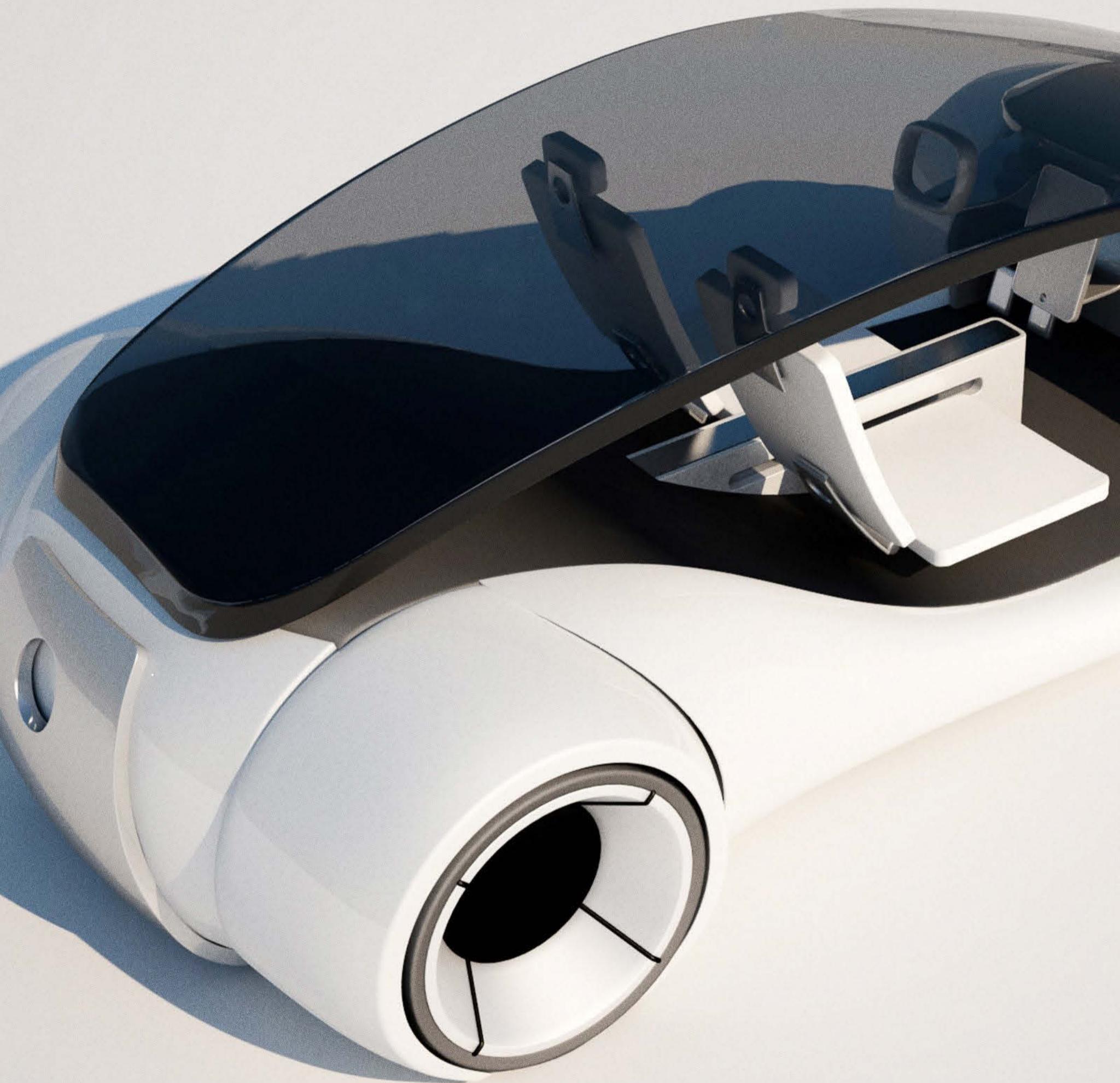


Image: Franco Grassi



APPLE DECLINES TO
COMMENT ON REPORTS

Apple
'could
create
an
electric
car'



Image: Luke Ray



REPORTS SUGGEST THAT CUPERTINO COULD RIVAL TESLA

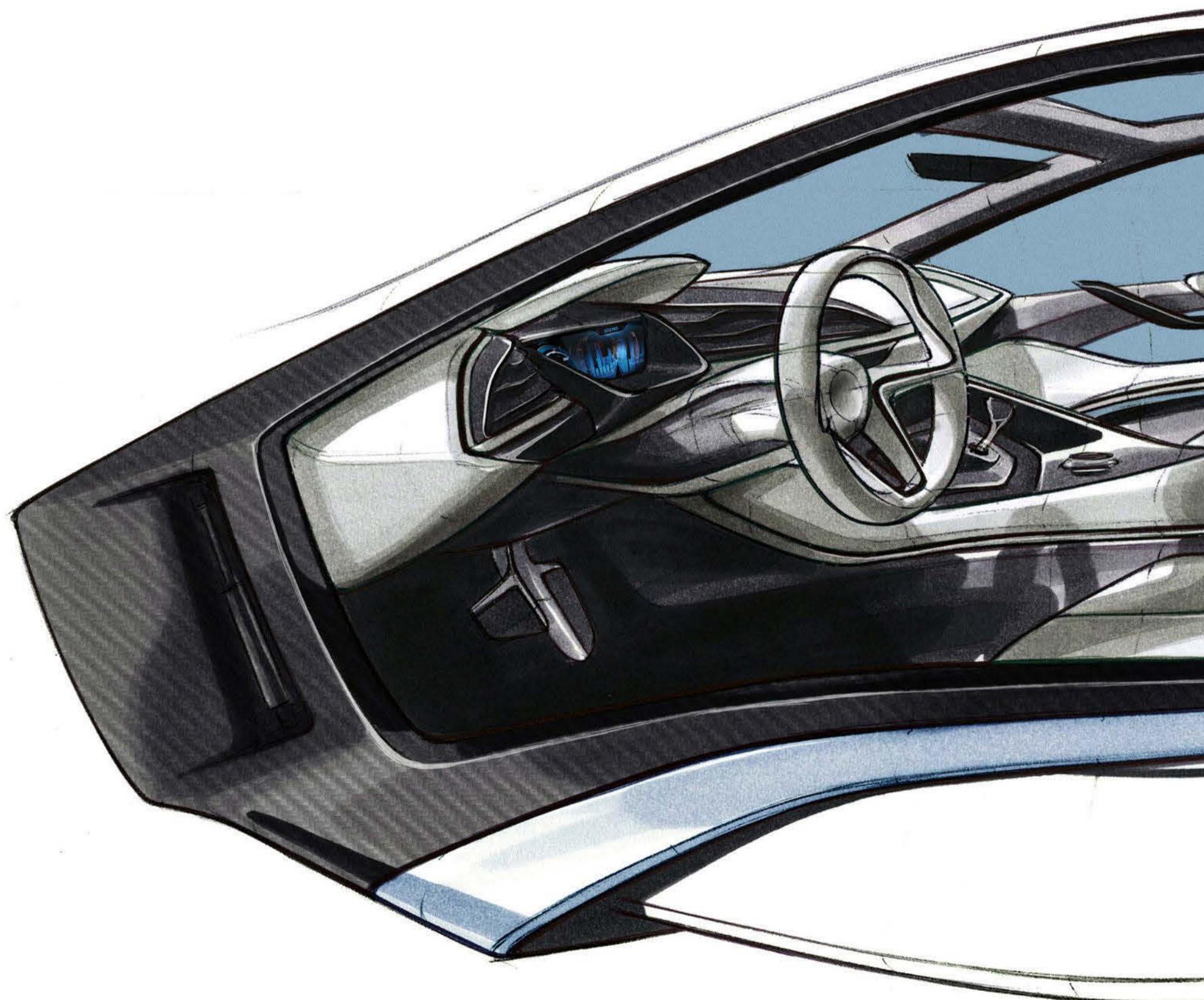
Apple has already been quite the game-changer in music and phones - two fields that it had little association with prior to the debut of iTunes and the iPhone respectively. So, is it necessarily far-fetched to suggest that **the Californian giant could even become a car manufacturer?** That has been the talk over the last few weeks, thanks to a series of reports.

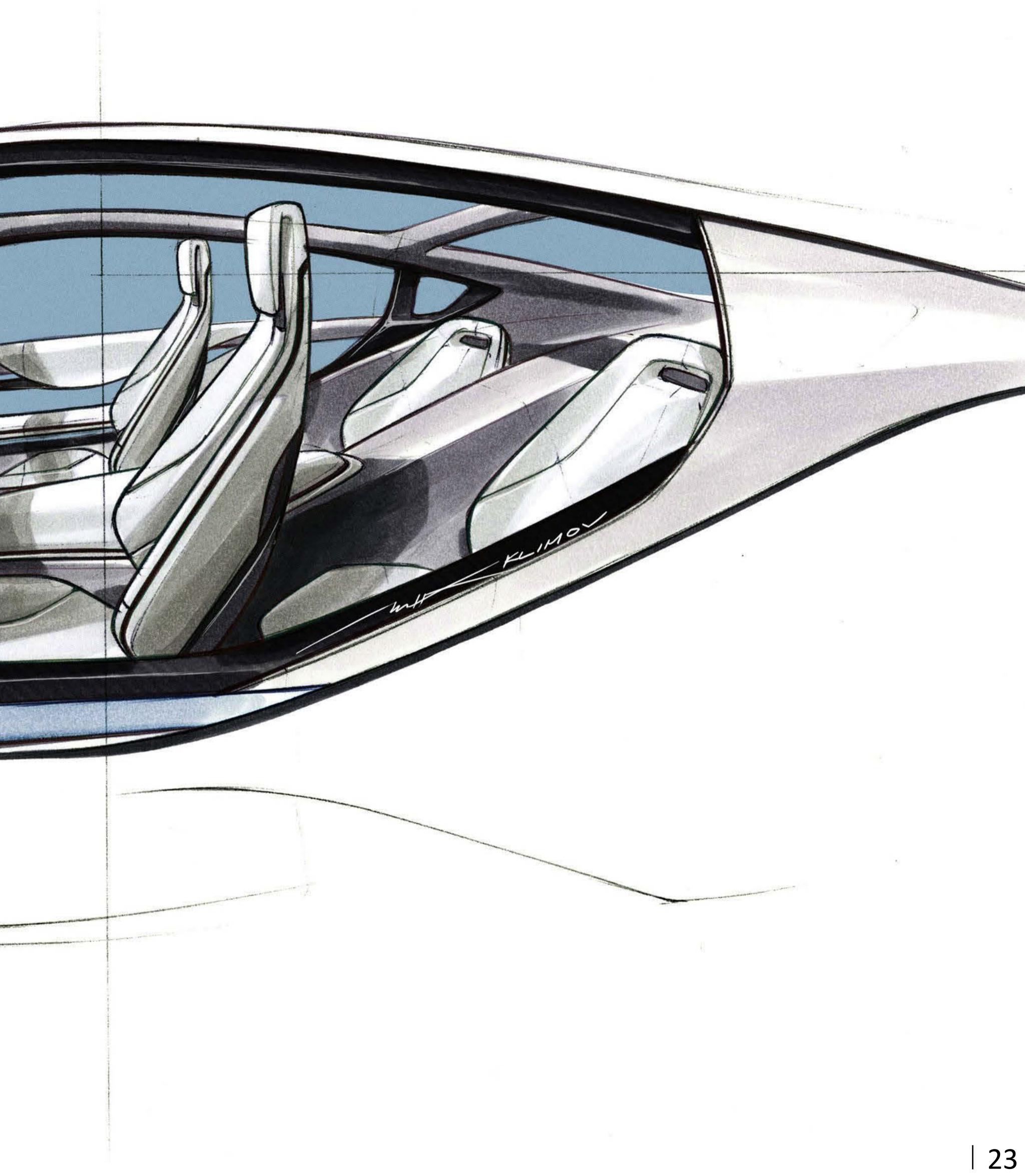
Much of the conjecture centers on an article in the Wall Street Journal that has shed considerable light on a supposed electric vehicle project, codenamed 'Titan'. The suggestion is that **Apple CEO Tim Cook already gave the nod to plans for an Apple-branded automobile more than a year ago**, and that several hundred members of the Cupertino firm's staff are now hard at work at making it a reality.

The Journal's only stated source is "people familiar with the matter", the report noting that an Apple spokesman had declined to comment. Nonetheless, this seemingly momentous report in such an esteemed publication has to be taken note of, even if it's far from guaranteed that an actual car will result.

THE IMPORTANT DETAILS ABOUT THE NEW 'PROJECT'

First of all, let's get one detail out of the way: the vehicle as it presently stands supposedly looks more like a minivan than a car. But that's





not to suggest that we'll necessarily see an Apple minivan in production either, as there are various other applications that Apple could put electric car technology towards. Owners of iPhones and iPads could yet be the chief beneficiaries in terms of battery life and in-car technology.

Whatever Apple's level of seriousness with regard to a fully-fledged electric car project, the company certainly seems to be taking at least something seriously. After all, the Journal has claimed that the project is being led by one-time Ford engineer Steve Zadesky, who was also a key figure in the leadership of the Apple teams that came up with the iPod and iPhone.

Zadesky was apparently allowed to poach staff from various parts of Apple in his assembly of a 1,000 strong team of people, which is said to have been researching metals, materials and robotics that one would associate with car manufacturing. The team is also claimed to be based in a private location only a few miles from Apple's main Californian headquarters.





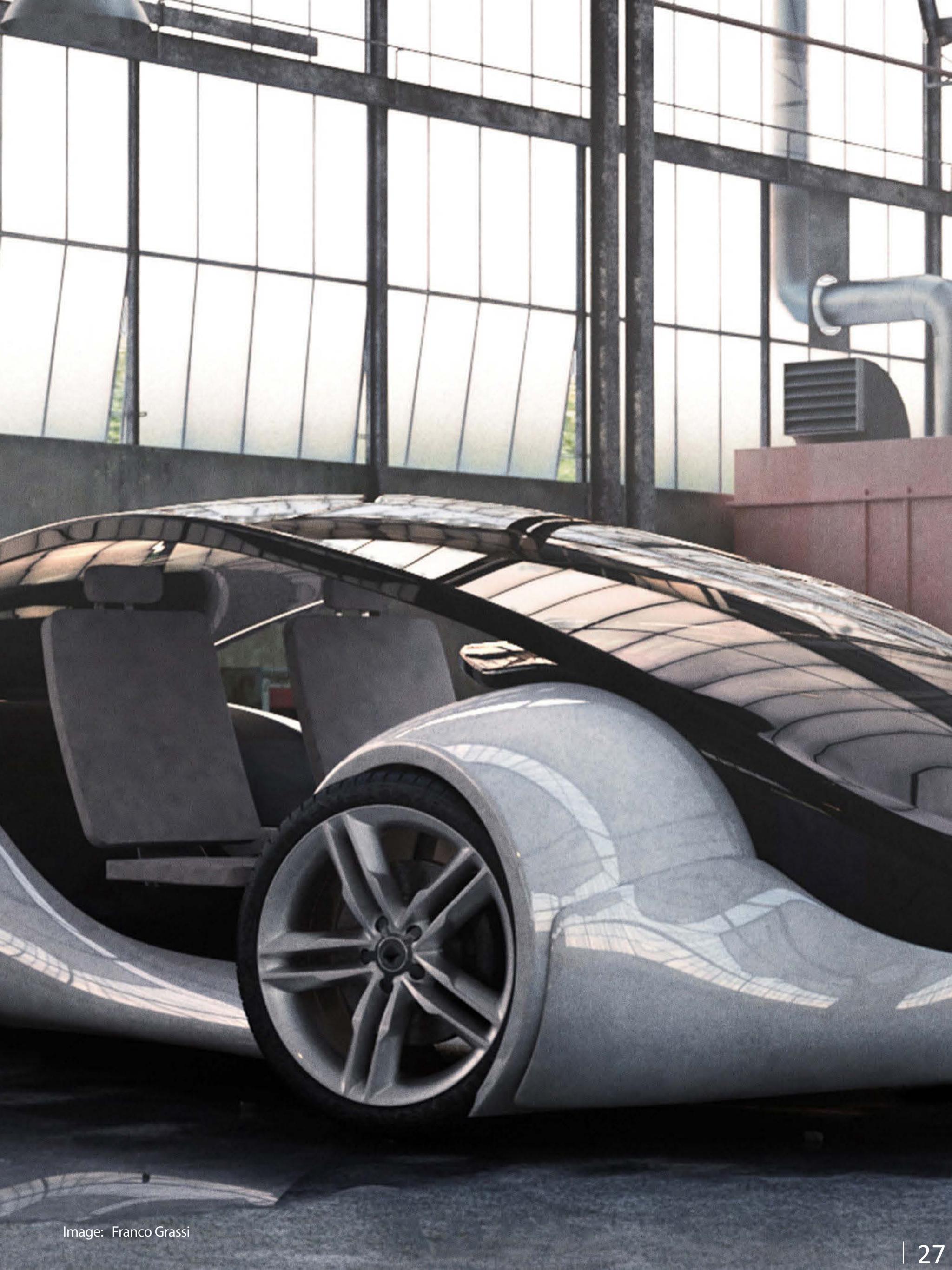
REPORTS INDICATE AN AMBITIOUS PROJECT

That's not all that we know about such an exciting project. The Journal's article also suggested that according to the aforementioned "people", Apple executives have even been in Austria to meet contract manufacturers for prestige cars. The Canadian auto supplier Magna International Inc's Magna Steyr unit was apparently among those to be sounded out, a Magna spokeswoman also declining to comment.

Look elsewhere, and there are further clues of what may be a surprising new Apple product ahead - even if that product doesn't turn out to be a car. Cook told Charlie Rose in September, for instance, that "there are products that we're working on that no one knows about, that haven't been rumored about yet." That same month, the president and chief executive of Mercedes-Benz Research and Development North America, Johann Jungwirth, joined the Apple team. Adding further intrigue is the fact that his former employer is based in Sunnyvale, California, not far from the Apple campus.

It has been more than a year since Apple's introduction of CarPlay, which closed the gap between traditional in-car technology and a user's iOS device. With various cars and third party head units already compatible with the software, could an entire Apple car be the next logical step - or will the project being worked on now merely provide the basis for other in-car solutions from the Cupertino firm?







APPLE BRINGING THE CHALLENGE TO TESLA

Another interesting subplot to this 'electric car' story is the news that Apple is literally competing with Tesla for staff, a Business Insider article disclosing that about 50 engineers working for Elon Musk's electric car company have been lured into joining the iGadgets giant. According to an Apple employee quoted in that article, Tesla employees were "jumping ship", adding: **"Apple's latest project is too exciting to pass up. I think it will change the landscape and give Tesla a run for its money."**

The majority of engineers that have switched from Tesla to Apple specialize in mechanics, robotics and manufacturing, which raises a few questions, the most obvious being: is Apple really building a whole car of its own? That isn't beyond the realms of possibility, given the firm's past record of boldness in entering new product categories, but there may be a more likely explanation.

It could simply be that Apple is throwing a gauntlet down to Tesla in the field of in-car experiences. CarPlay allows you to use your smartphone to control certain entertainment and other systems in your car, although it is only just starting to appear in cars, and would seem to be an obvious growth area for the boys at Cupertino.

Tesla's recent 6.0 system update introduced keyless driving, for instance, and it doesn't take much imagination to picture Apple developing something similar, enabling a



CarPlay partner car to be locked and unlocked with an iPhone. But there would also seem to be possibilities for rather more sophisticated audio and navigation solutions.

Movement of staff between the two companies hasn't been - if you'll excuse the pun - one-way traffic, with Tesla having also taken on around 150 Apple employees so far. That is according to Bloomberg, **which quoted Musk as claiming that Apple had been trying to tempt his employees with \$250,000 signing bonuses and 60 per cent boosts to their salaries.**

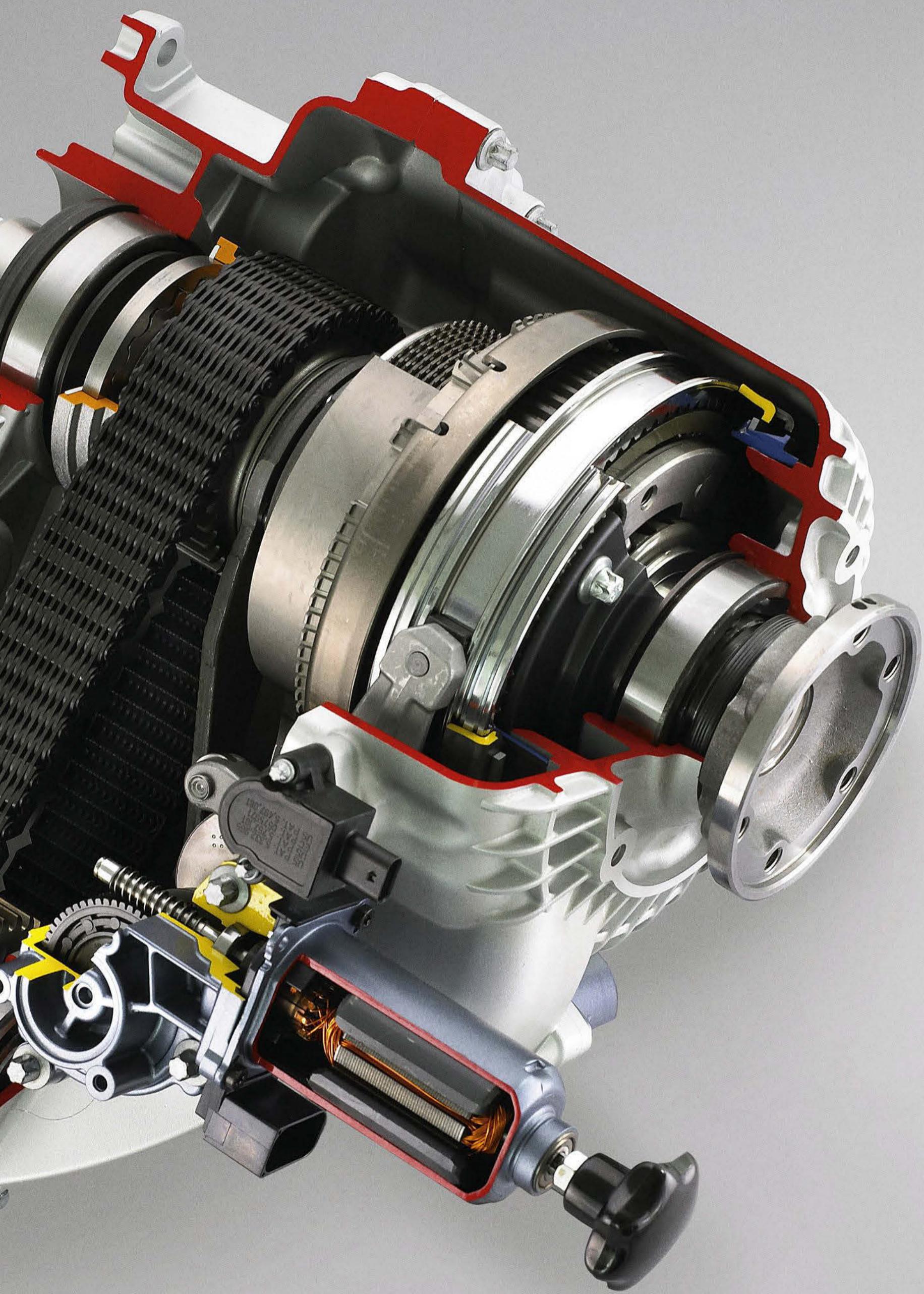
"Apple tries very hard to recruit from Tesla", he commented, adding: "But so far they've actually recruited very few people."

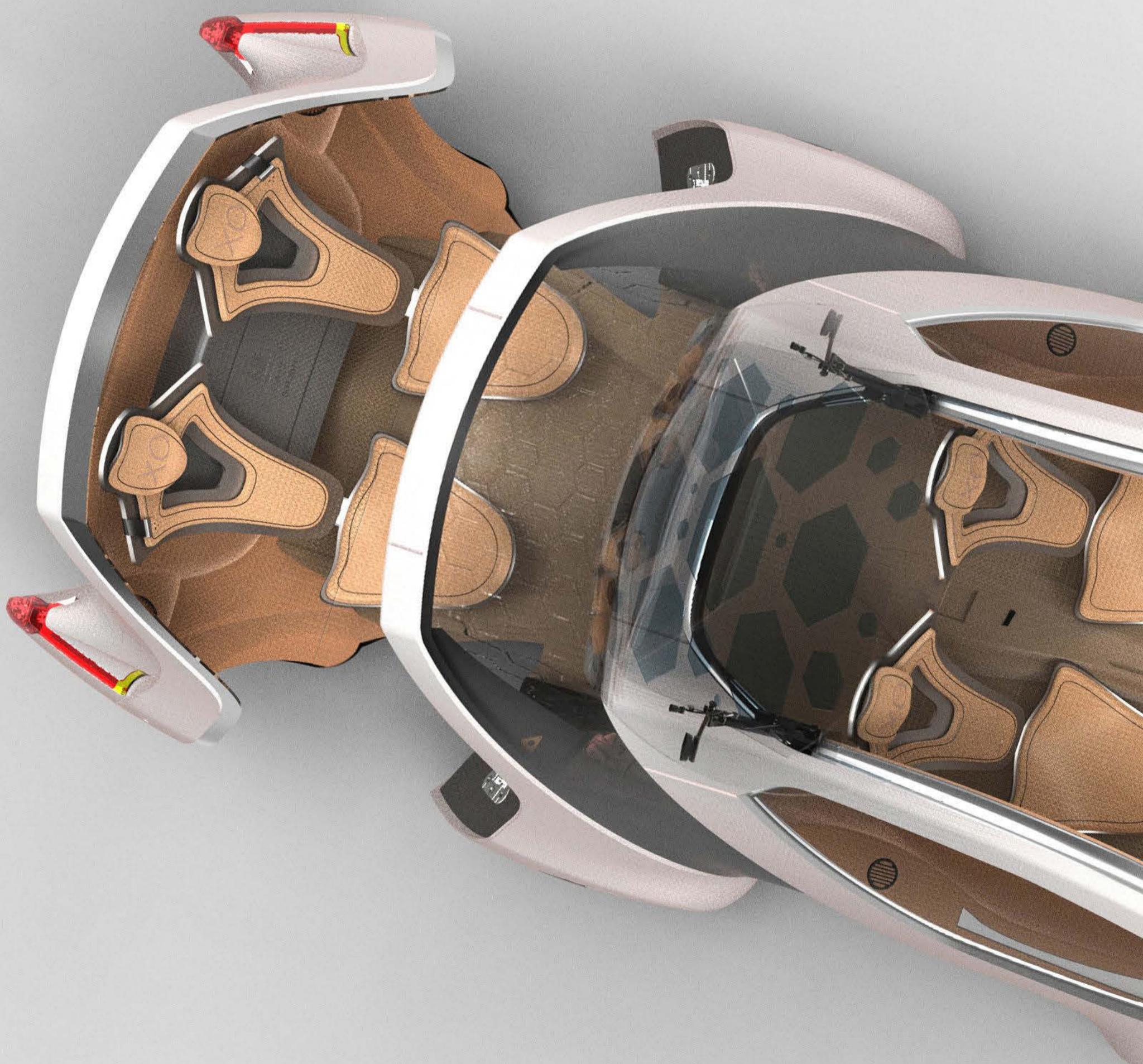
MYSTERY VAN STOKES FURTHER SPECULATION

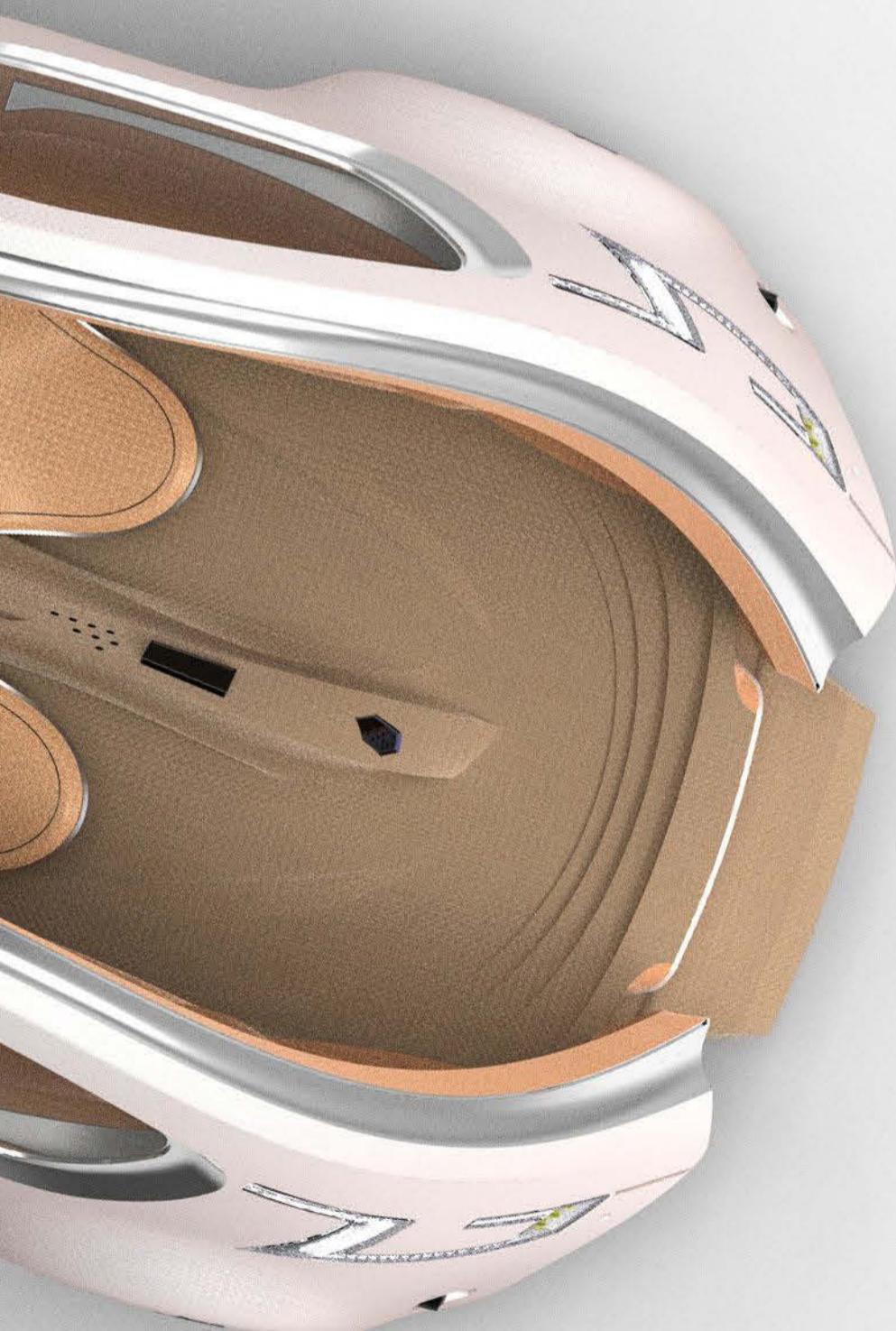
Earlier in February, there were reports of a mystery van driving around San Francisco that, it was established, probably belonged to Apple. It was also stated by a Wired report that the vehicle likely had the equipment to be self-driving.

Business Insider added that Apple had hired a roboticist from Yale in 2013 and was hiring robotic engineers to work "in a unique development team". It is thought that the van being so clearly registered to Apple could be a plan to cause fuss among the rumor bloggers and public - and if that's the case, we can't deny that they are succeeding.









However, it could also be an attempt to mislead those same observers, **Business Insider** also admitting that the vehicle was "most likely a mapping car to improve Apple Maps", adding: "Apple could just be surveying local roads with the van, and we could be getting way ahead of ourselves".

Writing for *Wired*, Christina Bonnington proposed several possibilities for the vehicle's true purpose. She admitted to wondering whether "this is someone's idea of a prank", adding that "registering the car under Apple's name is an inexpensive and playful way for a clever start-up to gain some publicity." She did confirm that it was nothing to do with the car's manufacturer, Dodge, and nor was it an academic project by anyone at Stanford or Carnegie Mellon universities.

She mimicked *Business Insider* in also conceding that "**There's overwhelming evidence that this is just a mapping vehicle, particularly based on the number of cameras on board.**"

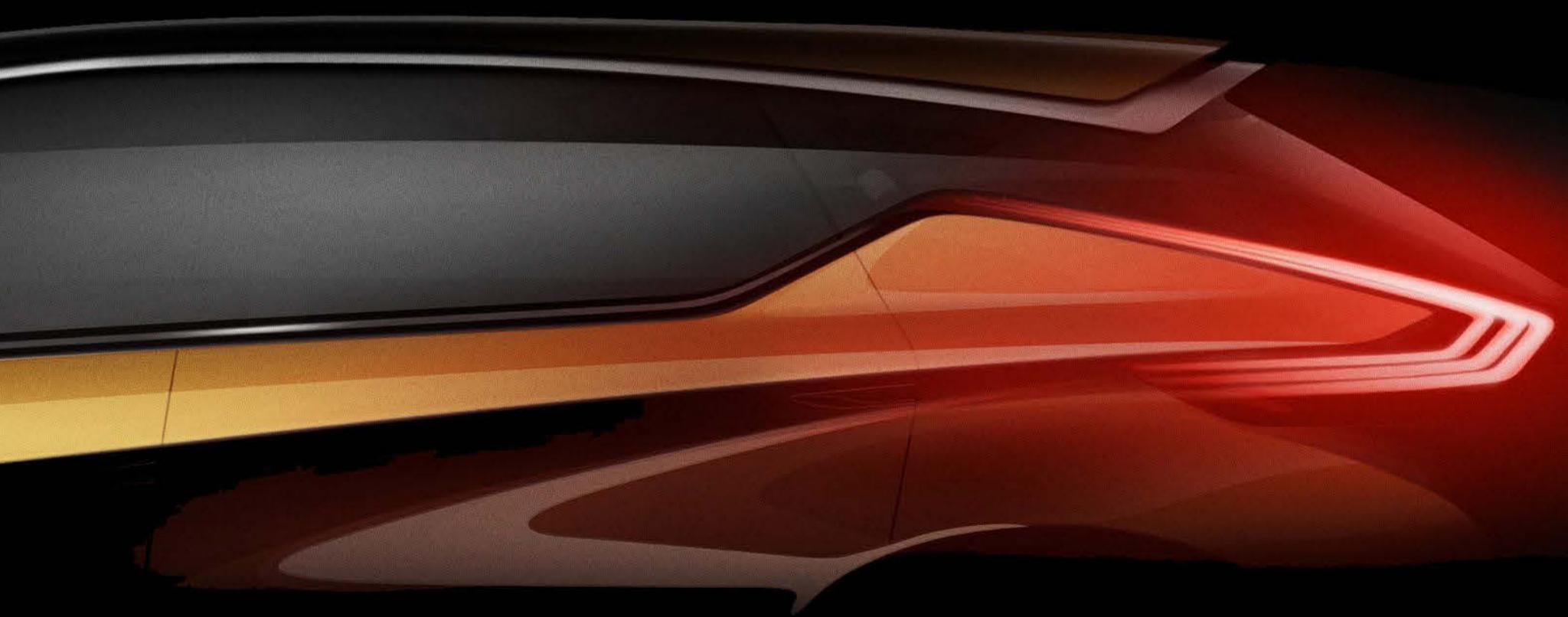
MUCH TO GET EXCITED ABOUT

Evidently, there are many often-ambiguous reports, and few people seem to know precisely what is going on. Furthermore, we may be a while before we discover whether this project actually leads to a bold new Apple product able to be purchased by you or me, given the company's past and ongoing habit of coming up with interesting ideas and patents that don't progress much beyond that stage.



Plus, even if we do get an 'Apple car', it could be years until it hits the market, by which time, many observers may have turned their attentions to another 'next big thing'. Nonetheless, with so many of the signs being that self-driving cars will be a firm part of the future, we wouldn't be too dismissive of talk of a full-bodied automotive project just yet. ■

by Benjamin Kerry & Gavin Lenaghan



fifty shades of gray



KFC



Try se
somet





YOUTUBE TO RELEASE KIDS APP TO EASE PARENTS' WORRIES

arching for
thing else!

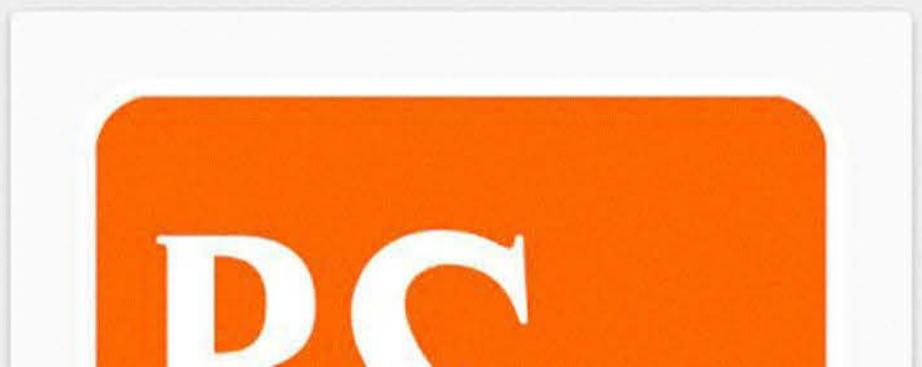
YouTube is going to release a mobile app that will only show video clips suitable for young children to help parents control what their kids are watching on the Internet.

The YouTube for Kids app, scheduled to be released for Android devices on Monday, features thousands of kid-focused channels that provide both entertainment and education. The content is mostly meant for children two to eight years old. Clips are selected by computer algorithms and human review.

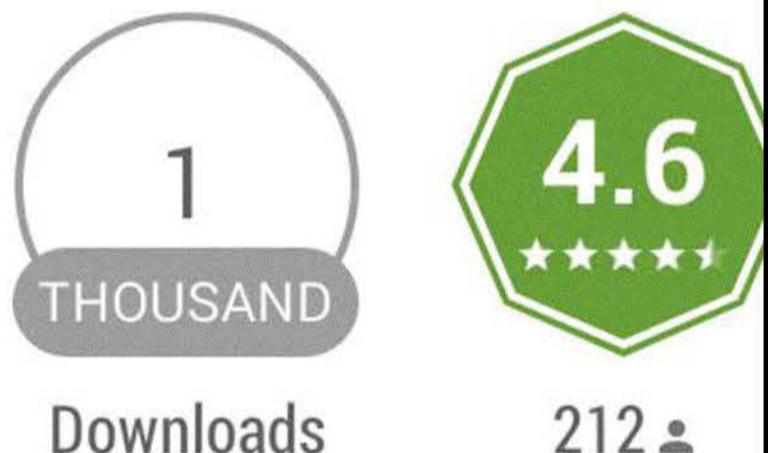


YouTube
Google Inc. 

Users also installed



Kids



Although YouTube doesn't permit pornographic videos or most other clips containing nudity, a wide range of salacious, violent and crude material is available on the site.

That prompted many parents to ask YouTube for a "family-friendly" version of its service, said Shimrit Ben-Yair, a product manager for the kids' app.

The concept is similar to a kids section that Netflix set up on its Internet video subscription service more than three years ago.

Besides excluding inappropriate clips, YouTube's kids app also will refuse to provide search results on requests, such as "sex," that are deemed inappropriate for young audiences. The app also provides controls that, among other things, enable parents to determine how long their child can watch videos in a single session.

YouTube will show ads with some of the clips on its new app to funnel more revenue to Google. The commercials will be suitable for young viewers and won't appear any more frequently than the ads that pop up in YouTube's unfiltered app, Ben-Yair said.

YouTube initially is only making the kids app for U.S. users of smartphones and tablets running on Android, the software made by YouTube owner Google Inc. A version compatible with Apple Inc.'s iPhone and iPad may be released in upcoming months.

The app is being endorsed by Common Sense Media, a San Francisco group dedicated to shielding children from mature content.





DOCTORS SAY FITNESS TRACKERS, HEALTH APPS CAN BOOST CARE

That phone app keeping track of your exercise and meals might keep you out of the hospital one day.

Why give your doctors permission to incorporate data from fitness trackers and health apps into electronic patient records? Well, they might spot signs of an ailment sooner and suggest behavioral changes or medication before you land in the emergency room. They also might be able to monitor how you're healing from surgery or whether you're following a treatment regimen.

"Right now we only see our patients for about a 15-minute visit in the office, and it's a very constricted view," said Dr. Lauren Koniaris, a specialist in pulmonary critical care at Hackensack University Medical Center in New Jersey. "This really globalizes the view of their health status, so that we're really in contact with them on a much more daily if not hour-to-hour basis. It's almost like a virtual house call."

At Hackensack, a handful of patients at risk for heart failure are asked to use a fitness tracker to count steps walked and flights climbed. They are also asked to record what they eat - by photographing the product's bar code, for instance - using a phone app that has a database containing nutrition information on thousands of food items. Using Apple's new HealthKit technology, data from the various trackers and apps gets automatically transferred to the Epic MyChart app on the iPhone. From there, the information goes to the hospital's records system, which also comes from Epic.

Hackensack wants to expand to more patients and start tracking blood pressure and sleep quality, too. But the hospital first needs to ensure that teams are in place to review the glut of data coming in. More broadly, there are consumer privacy and security issues to address, along with questions about whether these trackers and apps really improve patient care. The University of California, San Francisco is studying which gadgets are reliable and whether that reliability extends to patients with extreme conditions. Then they have to figure out what information is really meaningful - not just noise.

Many doctors and hospitals see potential. The Mayo Clinic in Rochester, Minnesota, uses Fitbit trackers to monitor hip-replacement patients for a month after surgery. Health workers get data on daily steps and can tell when patients have trouble walking - a hundred or more miles away. The Ochsner Health System in New Orleans is turning to wireless scales and blood-pressure devices to help reduce readmissions for chronic diseases such as heart failure. Noticing a small weight gain, for instance, might reveal fluid buildup resulting from the heart failing to pump normally. Not only can doctors intervene sooner, they can use the data to show how exercise can help lower blood pressure.

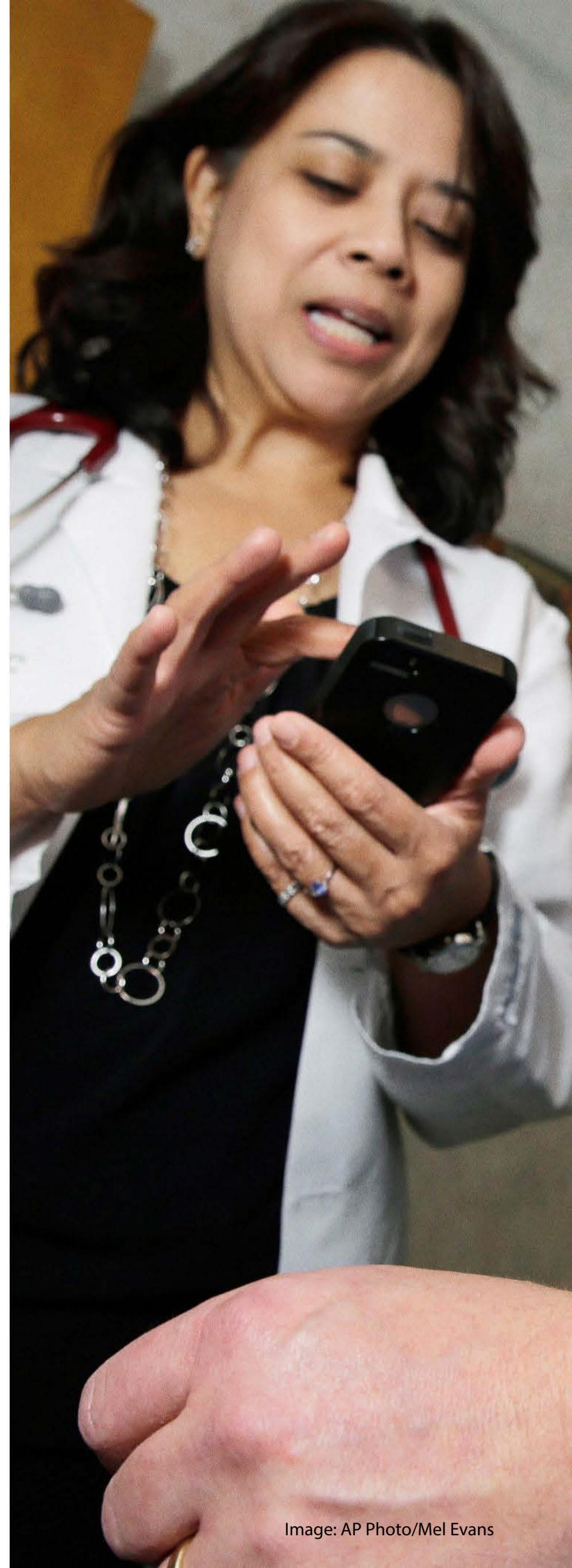


Image: AP Photo/Mel Evans



"If we're going to succeed in improving health, we have to get patients more engaged in their care," said Dr. Richard Milani, a cardiologist at Ochsner.

Heart-attack patients have long been asked to weigh themselves, while those with diabetes have had to check glucose levels. Smartphone technology makes all that easier and gets measurements to doctors more regularly and reliably. There's no forgetting to record a number or transposing digits.

With Apple's HealthKit tools, disparate gadgets and records systems can work together more easily. Think of HealthKit as a common language, eliminating the need for translators. Beyond sleep and exercise data coming from fitness trackers, doctors can eventually incorporate devices that measure glucose, blood pressure, respiratory rates and blood-oxygen levels. The devices communicate with the iPhone wirelessly or through the headphone or charging port. Google, Samsung and Microsoft have similar ambitions that will expand monitoring to users of Android and Windows phones, though they aren't as far along. For now, developers must write separate code for each Android or Windows app to integrate.

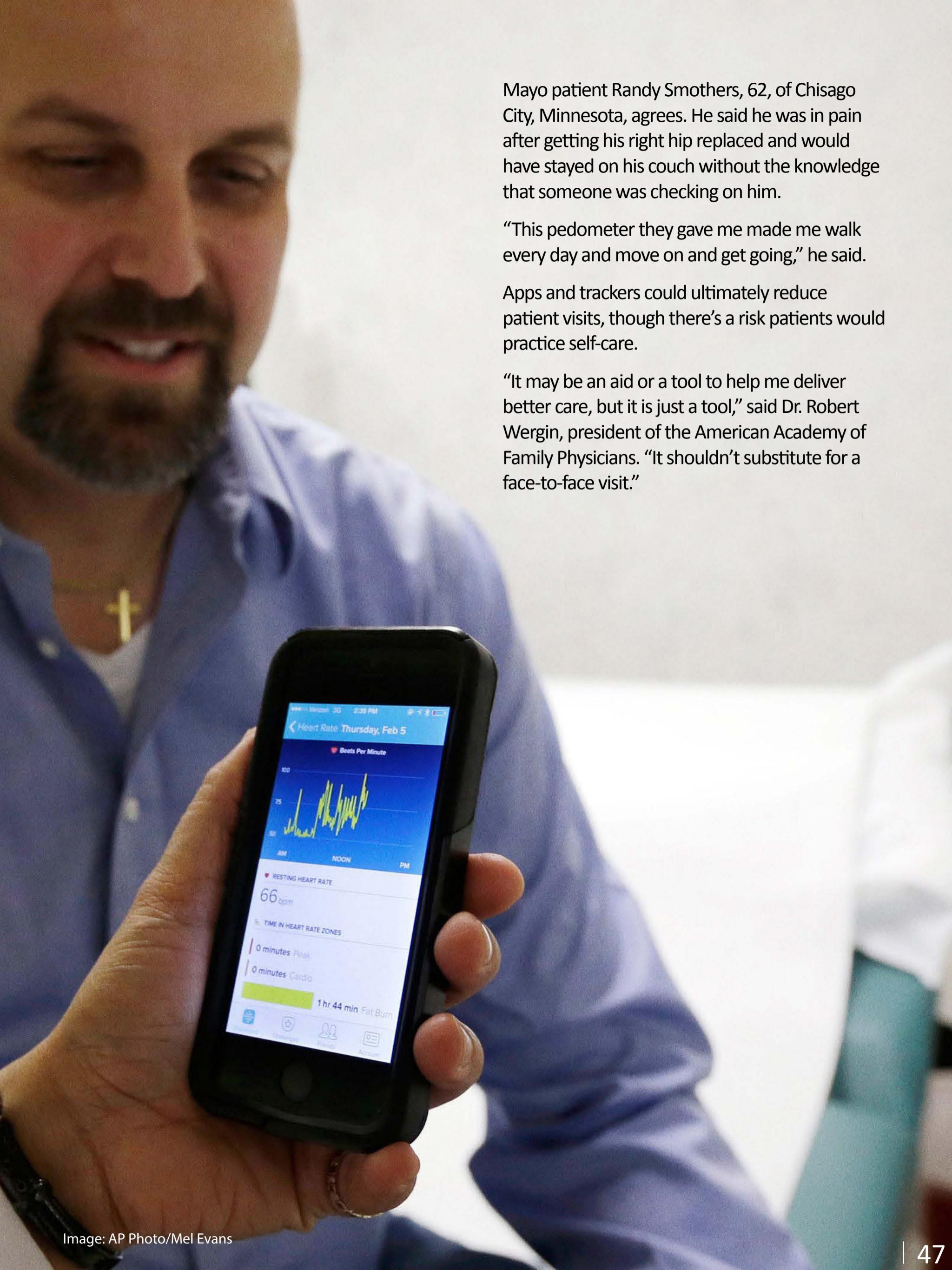
Gary Wilhelm, 51, who works at Hackensack on payroll and finance technology, joined the hospital's app test after he suffered a heart attack in October. He appeared animated during a check-up this month as he showed Dr. Sarah Timmapuri, his cardiologist, various charts on flights climbed and cholesterol intake. There were a few bad days that Wilhelm blamed on the Super Bowl. Timmapuri instructed Wilhelm to monitor his pulse on his new Fitbit Surge. If it gets to about 155 beats per minute, he's to end his workout.

"Even if I did not do a single thing with the information, just the patient knowing that I'm reviewing it will already have a positive effect," Timmapuri said.









Mayo patient Randy Smothers, 62, of Chisago City, Minnesota, agrees. He said he was in pain after getting his right hip replaced and would have stayed on his couch without the knowledge that someone was checking on him.

"This pedometer they gave me made me walk every day and move on and get going," he said.

Apps and trackers could ultimately reduce patient visits, though there's a risk patients would practice self-care.

"It may be an aid or a tool to help me deliver better care, but it is just a tool," said Dr. Robert Wergin, president of the American Academy of Family Physicians. "It shouldn't substitute for a face-to-face visit."

CHALLENGES

More hospitals and doctors are starting to use data from fitness trackers and health apps to help treat patients. But they are moving cautiously. The technology has a lot of potential, but there are key challenges to work out:

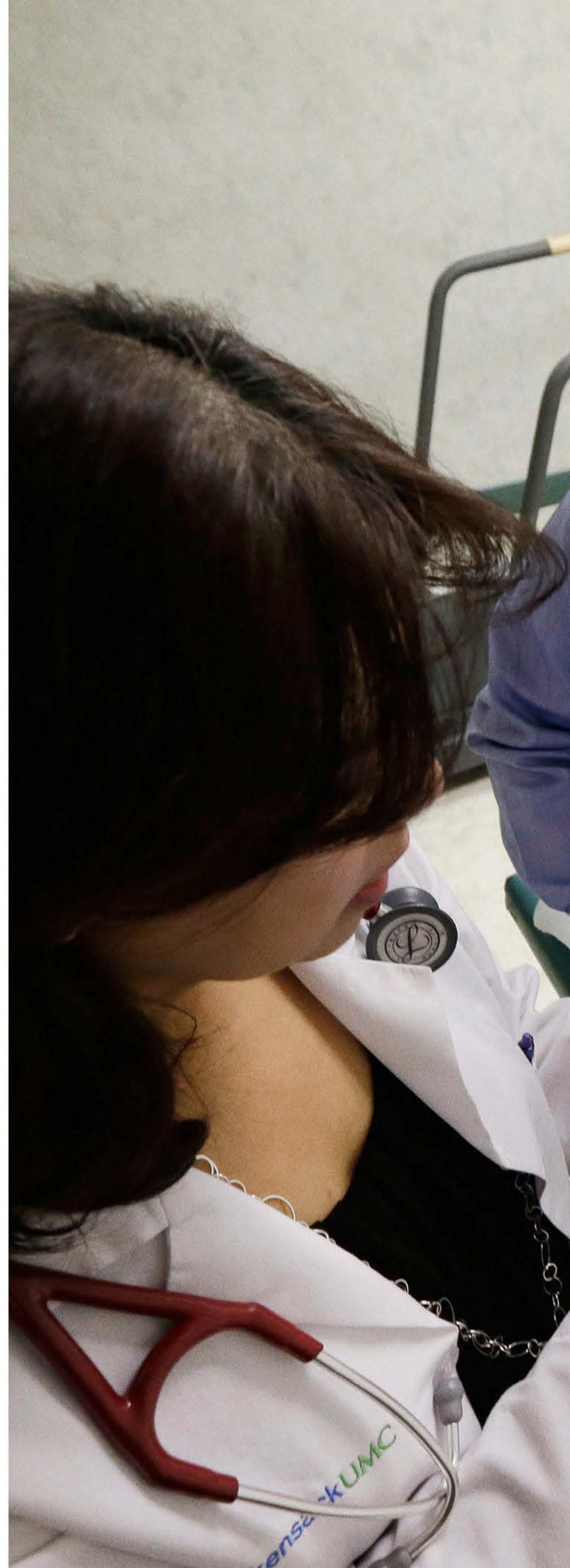
LIABILITY

What if a patient's data shows signs of an ailment, but no one notices? That's the chief reason Hackensack University Medical Center in New Jersey is starting with only six patients and three doctors and is monitoring mainly lifestyle data, such as nutrition. It wants to add blood pressure, heart rate and other vital signs to its monitoring, but a hospital committee needs to sign off first.

Doctors say that many patients already bring health data to visits, often as printouts that an office must then scan in. Getting data electronically through Apple's HealthKit and similar technologies would give doctors and nurses more options to see charts and look for patterns. Ultimately, Hackensack and other hospitals envision setting up a specific person or team to review incoming data. Software alerts could be triggered when a measure falls outside the ideal range, and a nurse or technician would check for accuracy and refer unusual cases to doctors.

IS DATA RELIABLE?

Many consumer devices such as fitness trackers aren't regulated by the Food and Drug Administration, so how much should doctors rely on them? The Center for Digital Health Innovation





at the University of California, San Francisco is studying this in a partnership with Samsung. One way to test involves strapping a device on 100 individuals and measuring them as they stand, sit, exercise and sleep. Readings would be compared with those from devices known to be reliable.

“Just because it works in a lab on a couple of individuals doesn’t necessarily mean it works on a broad variety of individuals in real life,” said Michael Blum, the center’s director.

PRIVACY AND SECURITY CONCERNS

Data entered into a health care provider’s electronics record system is covered by strict federal privacy laws, which subject providers to penalties for breaches. But if you’ve signed waivers as part of insurance claims, your insurer can get the data, too. Nicolas P. Terry, director of the Hall Center for Law and Health at Indiana University, isn’t too concerned about that, though. He said President Barack Obama’s health care law includes protections for pre-existing health conditions.

Health privacy laws don’t extend to technology companies that make trackers and apps, however. The companies might be subject to penalties if they fail to abide by their own privacy policies. But if they never promise to safeguard the information, they are free to share and sell it, Terry said.

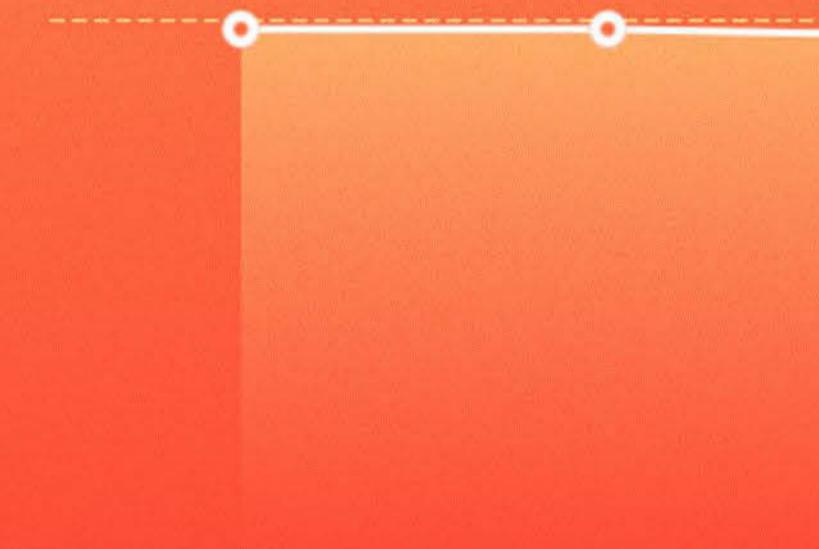
The concerns exist regardless of whether a doctor is using the information for patient care. Although a step counter might seem innocuous, it also might record the location of your step.

“Now you have a surveillance system,” Terry said. “If the people you meet also have wearable devices, we could figure out who you meet.” He says data companies might also build health scores that potential employers and life insurance companies would love to have.

Day

Steps

Daily Average: 9,222



Oct 2

3

Sleep Analysis

Daily Average: 6h 8m



Week

Month

Year

571 steps
Today

12,987



4

5

6

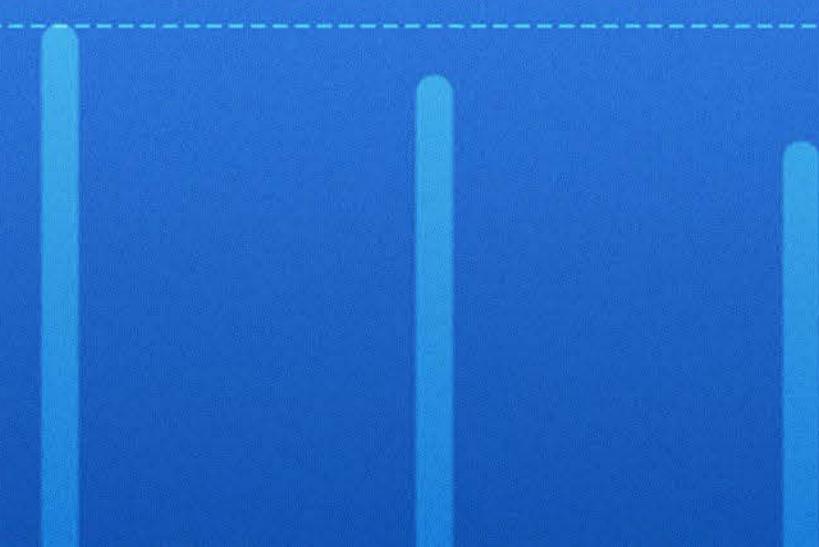
7

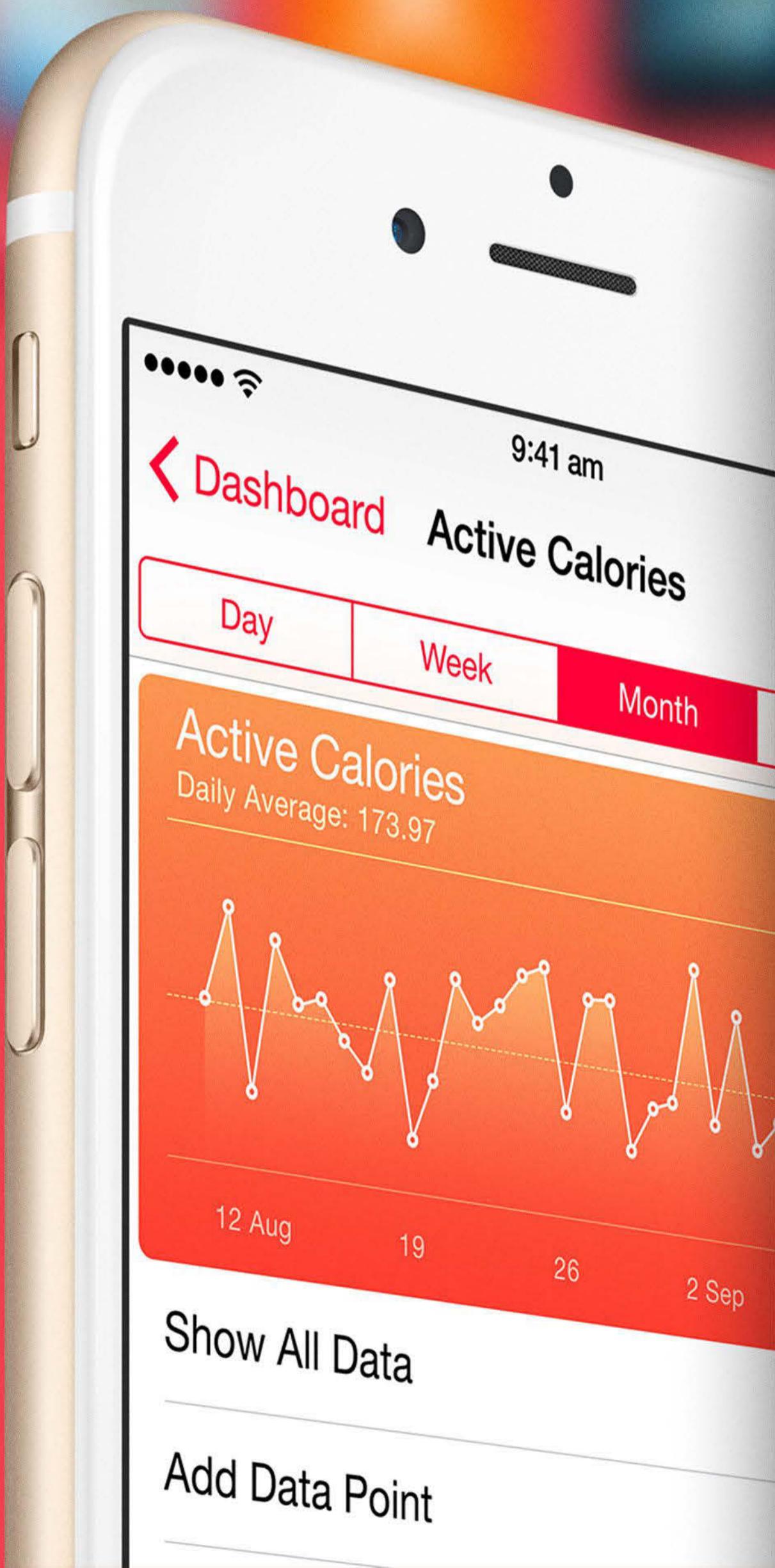
8

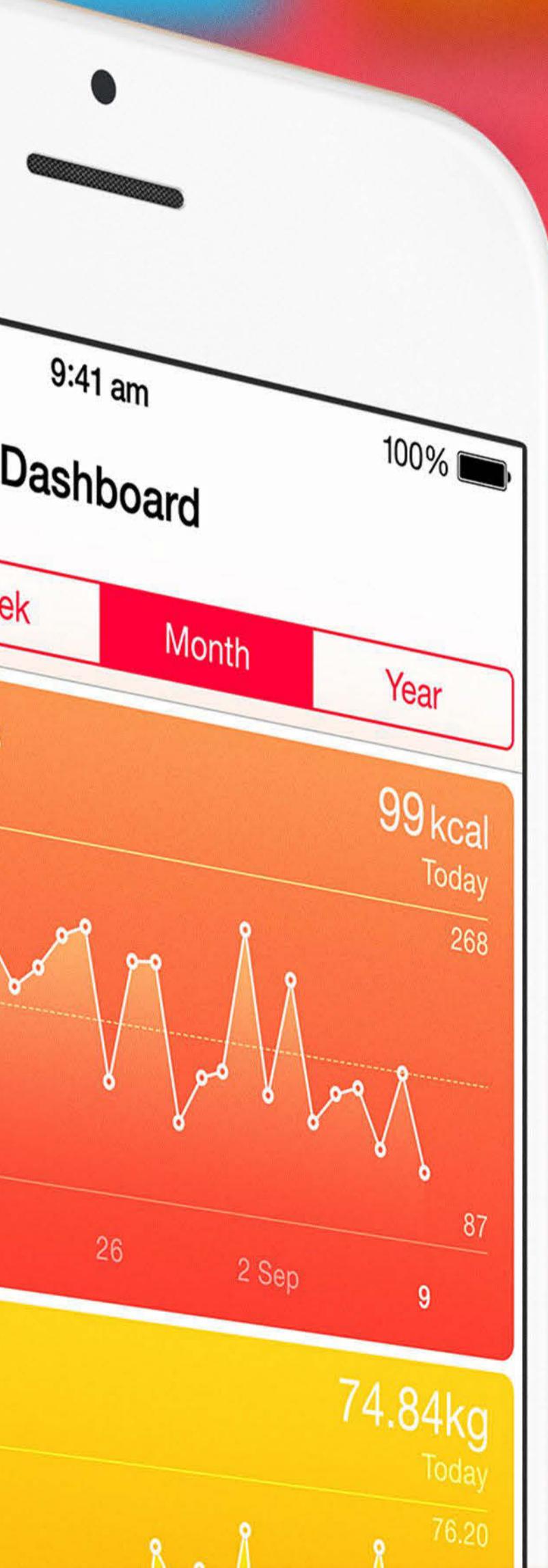
5h 58m
Today

7.67

S







DO I GET PAID FOR THIS TIME?

Historically, doctors are paid for office visits and procedures. Medicare and private insurers are starting to reward doctors for preventative care, however. With the Medicare program, for instance, doctors are given a set monthly fee to keep patients healthy. That could involve reviewing fitness data and checking on patients regularly by phone to identify problems that might otherwise result in more costly treatments or visits.

“It is slowly changing...but it’s still challenging to get paid for analysis and for email and phone call time,” said Dr. John Schumann, a Tulsa, Oklahoma, internist who blogs on health issues at GlassHospital.

OTHER LIMITATIONS

These devices and apps do little to ensure that patients take the medicines they’re supposed to. There are companies developing sensors to record when you pick up a bottle, but for now, doctors have to trust their patients.

Doctors also need to ensure that they aren’t getting data only from younger patients who are already highly motivated and aware about their health.

“What we need is data for older people, and they are not doing that right now, with rare, rare exceptions,” said Dr. David J. Cook, who is leading research at the Mayo Clinic into how trackers and apps can improve care. Because hip-replacement patients that Mayo wants to track tend to be older, Mayo has had to loan them Fitbit trackers and \$60 Android phones.

Neither Fitbit nor Android works with Apple’s HealthKit, so programmers at Mayo had to write code to integrate those devices. HealthKit should make future integrations easier at Mayo and elsewhere, but there will always be some devices and apps excluded.

ALL OF THE
HIGHLIGHTS OF
OSCARs
2015

PREDICTABLE VICTORS, UNPREDICTABLE SHOW







BIRDMAN, MOORE AND REDMAYNE AMONG BIG WINNERS

Another late February evening, another Academy Awards ceremony at Hollywood's Dolby Theatre... and another set of winners. The 87th Oscars wasn't exactly the most unpredictable one we've ever had as far as the winners list was concerned, but there were still plenty of aspects of the big night that excited, stimulated and gave food for thought.

Let's get the obvious headlines out of the way. It turned out to be the Alejandro González Iñárritu co-written and directed *Birdman* that claimed the all-important Best Picture gong. The story of a faded former superhero actor trying to reinvent himself on Broadway - as played by erstwhile Batman Michael Keaton - **tied with *The Grand Budapest Hotel* for the most awards won on the night, with four each.**

Birdman's accolades also included Best Director, Best Original Screenplay and Best Cinematography, while the Wes Anderson directed *The Grand Budapest Hotel* scooped a slightly less prestigious but still impressive set of awards, encompassing Best Production Design, Best Original Score, Best Costume Design and Best Makeup and Hairstyling.

THE OTHER - LARGELY PREDICTED - WINNERS

It was hard to find too many shocks among the rest of this year's victors. Eddie Redmayne claimed Best Actor for his showing as *The*

Theory of Everything's ALS-afflicted young scientist Stephen Hawking, **while portraying a professor diagnosed with early-onset Alzheimer's disease in Still Alice ultimately won Julianne Moore the award for Best Actress.**

Elsewhere, J. K. Simmons' performance as the egotistical, abusive jazz teacher Terence Fletcher in Whiplash landed him the Best Supporting Actor award, and Patricia Arquette won in the Best Supporting Actress category for her role as Olivia Evans in Boyhood.

The honor for Best Adapted Screenplay went to The Imitation Game's Graham Moore, based on the book Alan Turing: The Enigma by British mathematician and author Andrew Hodges. Disney's latest critical and commercial triumph Big Hero 6 nabbed the Best Animated Feature Film prize, while the Best Foreign Language Film was Paweł Pawlikowski's Polish drama, Ida, about a young woman on the verge of taking vows as a Catholic nun in the early 1960s.

NOT A DAY OF CELEBRATION FOR ALL

It was evidently a great night for many people - Whiplash was the one film other than the aforementioned top two to claim multiple awards, but other winners included Citizenfour, Crisis Hotline: Veterans Press 1, The Phone Call, Feast, Selma, American Sniper and Interstellar.

However, it wasn't a celebratory occasion for everyone. The United States broadcaster of the event, ABC, may not be delighted





with the telecast viewing figures that fell just shy of 36.6 million nationwide, making it the least watched Oscar ceremony since the 2009 event, as well as the third lowest-watched ceremony since the Oscars was first broadcast.

On an even more serious note, equality - or lack of it - was also a key debate throughout an event described in the run-up as one of the "whitest" ever. There was also much talk about the merits of actor Neil Patrick Harris' performance as host, a role he took on for the first time. Then, there were all of the crazier moments that are practically guaranteed when the Oscars come to town - however guessable the on-stage announcements may otherwise be.

A MIXED EVENING FOR THE HOST

Harris has certainly had better nights than his debut as Oscar host - **Newsweek** perhaps **summing it up best as being "widely met with a shrug.** He had his moments, to be sure. But not enough to sustain a tedious, three-and-a-half-hour spectacle." However, the same report did also admit that "hosting's not an easy job. Probably the hardest in show business, aside from being Alec Baldwin's assistant."

It was at least to his credit that Harris did not shy away from this year's Oscars' now-famous lack of diversity among the nominees, launching from the beginning into a joke that "This year we honor Hollywood's best and whitest - sorry, brightest." He also







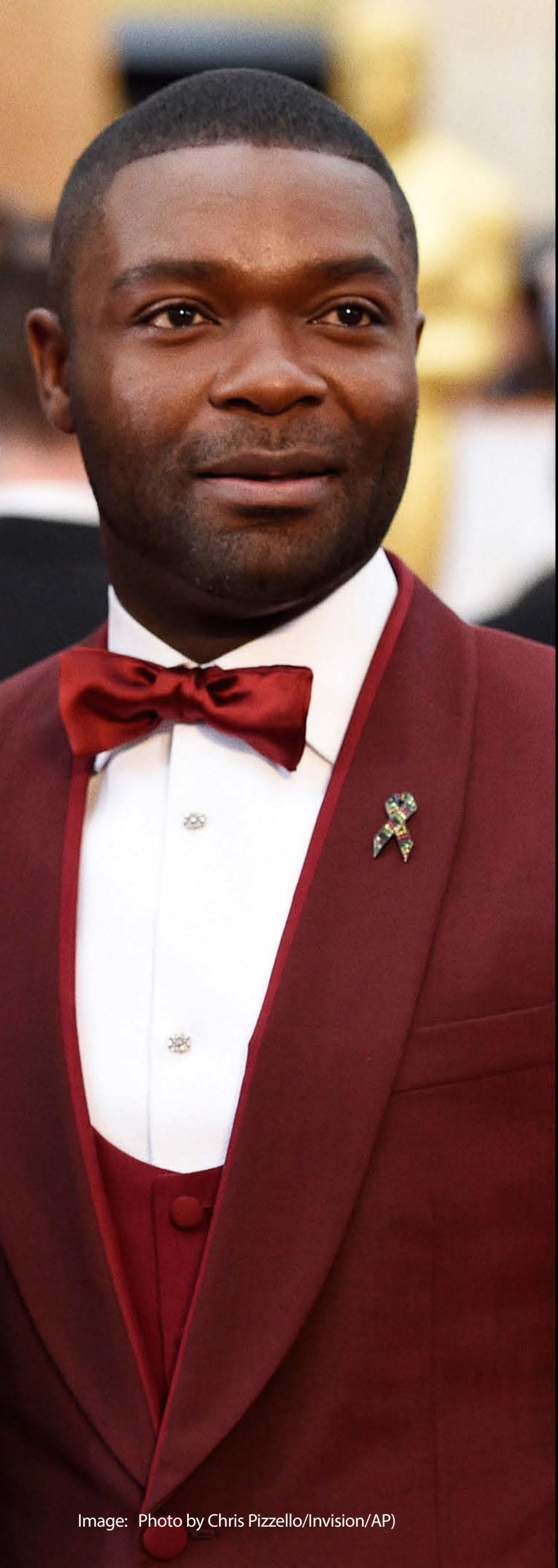


Image: Photo by Chris Pizzello/Invision/AP

joined Anne Kendrick and Jack Black for a monster opening number covering 87 years of cinema history, and showed a keenness for audience interaction.

Harris also got the social media chatter going by at one point walking through the backstage area and onto the stage in his underwear, in a clear parody of *Birdman*. However, not all of his antics got a positive reception, his jokes often seeming poorly timed. He introduced Reese Witherspoon by oddly declaring her to be "so lovely, you could eat her up with a spoon", **while he also used Selma star David Oyelowo to cringeworthily test whether everything sounds better in a British accent.**

There was hardly any laughter in response to Harris getting Oyelowo to deliver the line that in the past year "we saw the last ever Hobbit movie, the last ever Night at the Museum movie and the last ever attempt to remake *Annie*", despite the former's exclamation that "See, no, with the British accent it's not at all insulting!"

Nor did a running joke involving Octavia Spencer keeping watch on a secret suitcase locked in a glass case at the back of the stage seem to come off, the actress seeming more underwhelmed each time Harris checked on her to ask whether it had been tampered with.

NO SHORTAGE OF OTHER MEMORABLE MOMENTS

But there were plenty of other moments during this year's ceremony that will be remembered for a long time to come, and which had nothing to do with the host - albeit, some for better reasons than others.

Some of those moments were inspiring, such as Arquette using her Best Supporting Actress victory speech to draw attention to the continued issue of gender discrimination in 2015. "To every woman who gave birth, to every taxpayer and citizen of this nation, we have fought for everybody else's rights," she said, in what must have been one of the best Oscar acceptance speeches for a while. "It's our time to have wage equality once and for all and equal rights for women in the United States of America."

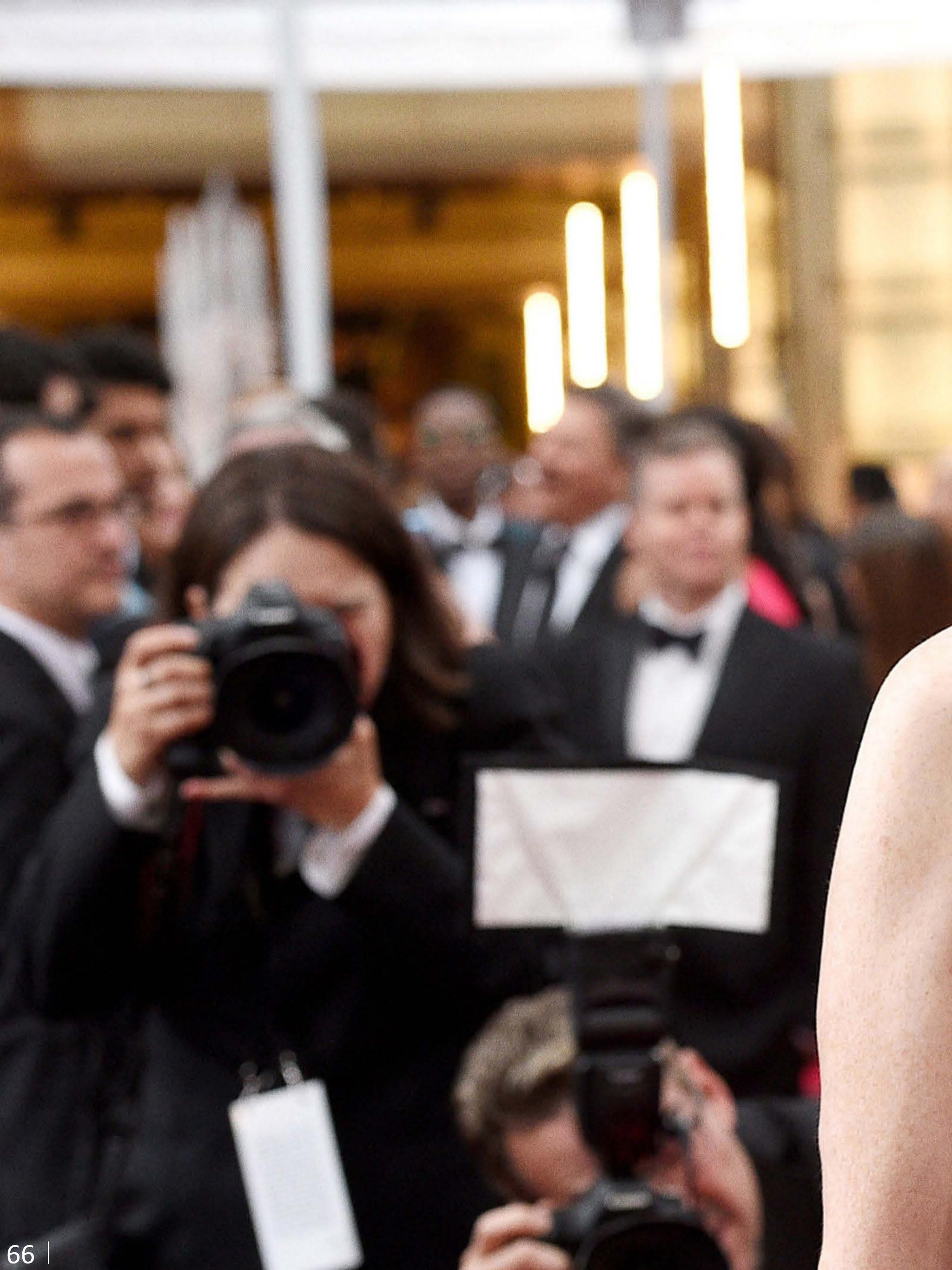
Other occurrences during the ceremony were somewhat unfortunate, particularly in light of Arquette's call to feminine arms. Vice President Joe Biden may have recently been hogging the headlines for getting a little too close to Stephanie Carter as her husband was sworn in as defense secretary, but John Travolta failed to get the memo that this wasn't a moment worth creating his own tribute to. There were two such Biden impressions by the Grease star, in fact - an uninvited kiss on Scarlett Johansson's cheek and a caress of Idina Menzel's chin.

Other weird happenings during this year's ceremony included the recently engaged Lady Gaga marking The Sound of Music's



Image: Adriana M. Barraza/WENN.com











50th anniversary with a medley of the musical's best-remembered songs, even if it was difficult to argue with the performance. **Another musical number that certainly lived up to its name was the eclectic "Everything Is Awesome" sequence**, as performed by Will Arnett as Batman, Canadian pop pair Tegan and Sara and Andy Samberg's comedy group The Lonely Island.

A CEREMONY THAT WILL BE TALKED ABOUT FOR YEARS

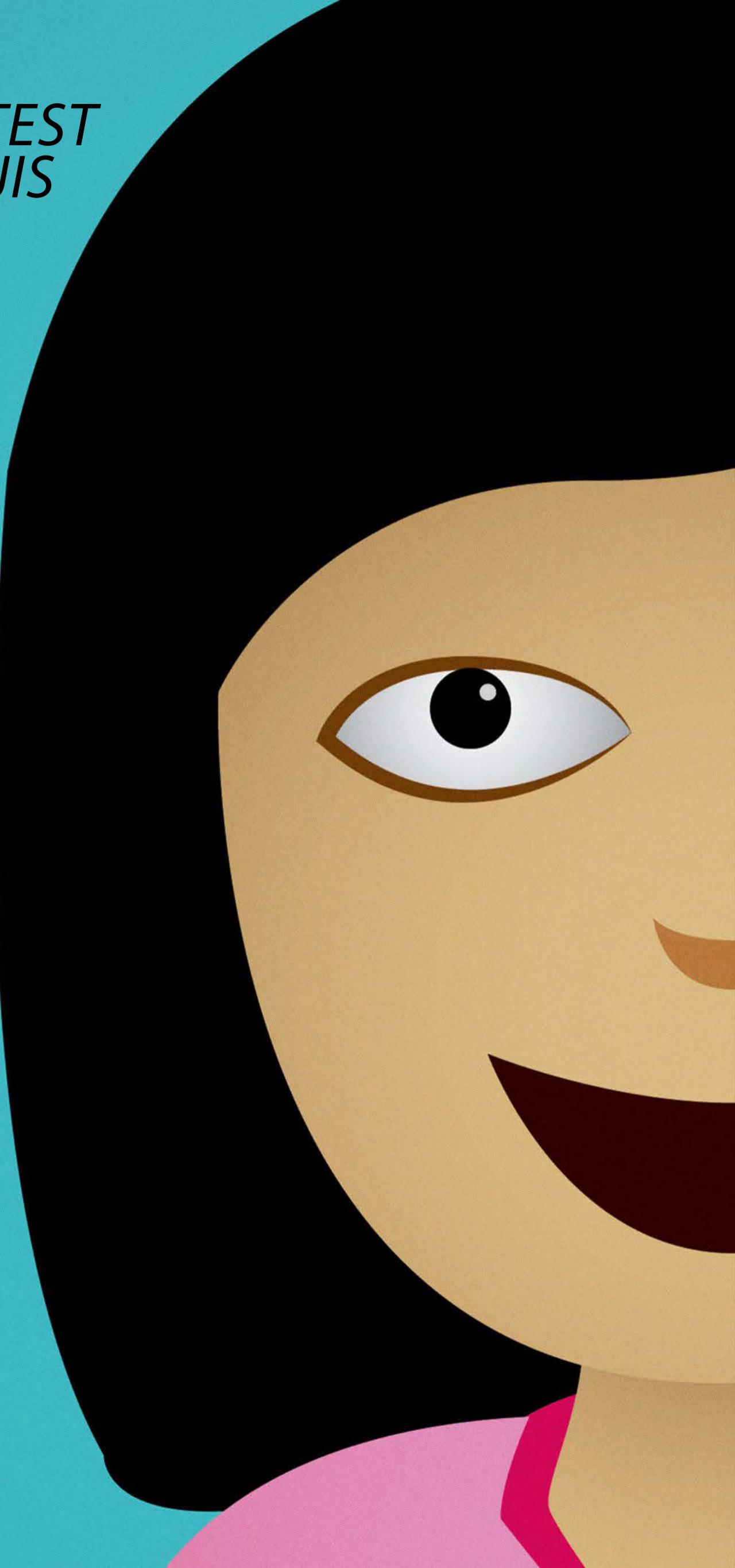
Certainly, not everything about this year's Oscars could have been described as awesome. The ceremony's lack of racial diversity was further demonstrated by Selma being largely snubbed, except for Best Original Song for John Legend and Common's "Glory". It was left for John Legend to outline in his sobering acceptance speech that "**Selma is 'now' because the struggle for justice is right now...** there are more black men under correctional control today than there were in slavery in 1850."

Nonetheless, there were still many positives about this year's ceremony - not least the fact that the Oscars' persistent faults are at least part of the conversation, including on stage. Plus, it was mostly a fine celebration of what has been an epic year of cinema, marked by fabulous acting, directing and writing alike, as well as a true social conscience.

Here's for more of the good in another 12 months' time! ■

by Benjamin Kerry & Gavin Lenaghan

IN APPLE'S LATEST
UPDATE, EMOJIS
GET DIVERSE





Lovers of emojis, the cute graphics that punctuate online writing and texts, will soon be able to pick from different skin tones and depictions of families with two moms or two dads on Apple devices.

Apple Inc. has incorporated more diverse emojis into the developer version of the latest update to its mobile operating system. The iPhone and iPad maker has not said when the update will be available for all users.

Currently almost all the emojis depicting people or body parts, such as a fist or bicep, look white on Apple devices and other platforms. More cartoon-like faces that are smiling, crying, winking or suggestive of other emotions come in a shade of yellow reminiscent of "The Simpsons" characters.

An Apple spokeswoman said Tuesday that the company is working with the Unicode Consortium, the nonprofit organization that sets the standards for the pictograms, "to update the standard so that it better represents diversity for all of us."

Unicode last fall proposed adding five new skin color options for emojis. A Unicode technical report says users worldwide want emojis that better reflect global diversity.

Apple is adding more than 300 additional emoji, including new icons of gay families and 32 new country flags.

Devices made by Cupertino, California-based Apple as well as those running Google Inc.'s Android operating system dominate the smartphone and tablet market.

Google spokeswoman Liz Markman said the Mountain View, California, company said it had no news to share Tuesday regarding diverse emojis.

TOP Free Apps

iOS



#01 – Facebook Messenger

By Facebook, Inc.

Category: Social Networking

Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5, iPhone 6, and iPhone 6 Plus.



#02 – Facebook

By Facebook, Inc.

Category: Social Networking

Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5, iPhone 6, and iPhone 6 Plus.



#03 – YouTube

By Google, Inc.

Category: Photo & Video

Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5.



#04 – Instagram

By Instagram, Inc.

Category: Photo & Video

Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5, iPhone 6, and iPhone 6 Plus.



#05 – Trivia Crack

By Etermax

Category: Games

Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5.



#06 – Snapchat

By Snapchat, Inc.

Category: Photo & Video

Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5.



#07 – SNL

By NBCUniversal Media, LLC

Category: Entertainment

Requires iOS 8.0 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5, iPhone 6, and iPhone 6 Plus.



#08 – Pandora Radio

By Pandora Media, Inc.

Category: Music

Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5, iPhone 6, and iPhone 6 Plus.



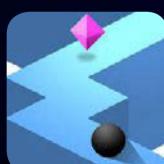
#09 – iTunes U

By Apple

Category: Education

Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5, iPhone 6, and iPhone 6 Plus.



#10 – ZigZag

By Ketchapp

Category: Games

Requires iOS 4.3 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5.

TOP Free Apps



#01 – OS X Yosemite

By Apple
Category: Utilities
Compatibility: OS X 10.6.8 or later



#02 – Kindle

By AMZN Mobile LLC
Category: Reference
Compatibility: OS X 10.6 or later



#03 – App for Netflix

By Joacim Ståhl
Category: Entertainment
Compatibility: OS X 10.7 or later, 64-bit processor



#04 – Microsoft Remote Desktop

By Microsoft Corporation
Category: Business
Compatibility: OS X 10.7 or later, 64-bit processor



#05 – Memory Clean

By FIPLAB Ltd
Category: Utilities
Compatibility: OS X 10.7.4 or later, 64-bit processor



#06 – Xcode

By Apple
Category: Developer Tools
Compatibility: OS X 10.8.4 or later



#07 – App for Instagram - Instant at your desktop!

By Joacim Ståhl
Category: Social Networking
Compatibility: OS X 10.7 or later, 64-bit processor



#08 – Bitdefender Virus Scanner

By Bitdefender SRL
Category: Utilities
Compatibility: OS X 10.7 or later, 64-bit processor



#09 – The Unarchiver

By Dag Agren
Category: Utilities
Compatibility: OS X 10.6.0 or later



#10 – Microsoft OneNote

By Microsoft Corporation
Category: Productivity
Compatibility: OS X 10.9 or later

Mac OS X

TOP Paid Apps

iOS



#01 – Minecraft – Pocket Edition

By Mojang

Category: Games / Price: \$6.99

Requires iOS 5.1.1 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5.



#02 – Trivia Crack (Ad Free)

By Etermax

Category: Games / Price: \$2.99

Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5.



#03 – Heads Up!

By Warner Bros.

Category: Games / Price: \$0.99

Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5.



#04 – Five Nights at Freddy's 2

By Scott Cawthon

Category: Games / Price: \$2.99

Requires iOS 5.1 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5.



#05 – Geometry Dash

By RobTop Games AB

Category: Games / Price: \$1.99

Requires iOS 5.2 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5.



#06 – Five Nights at Freddy's

By Scott Cawthon

Category: Games / Price: \$2.99

Requires iOS 5.1 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5.



#07 – THE GAME OF LIFE Classic Edition

By Electronic Arts

Category: Games / Price: \$0.99

Requires iOS 5.1.1 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5.



#08 – Afterlight

By Afterlight Collective, Inc

Category: Photo & Video / Price: \$0.99

Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5.



#09 – NBA JAM by EA SPORTS™

By Electronic Arts

Category: Games / Price: \$0.99

Requires iOS 3.0 or later. Compatible with iPhone, iPad, and iPod touch.



#10 – Plague Inc.

By Ndemic Creations

Category: Games / Price: \$0.99

Requires iOS 4.3 or later. Compatible with iPhone, iPad, and iPod touch.

This app is optimized for iPhone 5.

TOP Paid Apps



#01 – GarageBand

By Apple
Category: Music / Price: \$4.99
Compatibility: OS X 10.9 or later



#02 – Disk Doctor

By FIPLAB Ltd
Category: Utilities / Price: \$2.99
Compatibility: OS X 10.7.3 or later, 64-bit processor



#03 – FaceTime

By Apple
Category: Social Networking / Price: \$0.99
Compatibility: OS X 10.6.6 or later



#04 – OS X Server

By Apple
Category: Utilities / Price: \$19.99
Compatibility: OS X 10.9.5 or later



#05 – Logic Pro X

By Apple
Category: Music / Price: \$199.99
Compatibility: OS X 10.8.4 or later, 64-bit processor



#06 – Pixelmator

By Pixelmator Team
Category: Graphics & Design / Price: \$29.99
Compatibility: OS X 10.9.5 or later, 64-bit processor



#07 – App for Dropbox

By It's About Time Products
Category: Productivity / Price: \$2.99
Compatibility: OS X 10.8 or later, 64-bit processor



#08 – Duplicate Detective

By FIPLAB Ltd
Category: Utilities / Price: \$1.99
Compatibility: OS X 10.7 or later, 64-bit processor



#09 – BetterSnapTool

By Andreas Hegenberg
Category: Productivity / Price: \$1.99
Compatibility: OS X 10.6 or later, 64-bit processor



#10 – The Sims™ 2: Super Collection

By Aspyr Media, Inc.
Category: Games / Price: \$29.99
Compatibility: OS X 10.9.2 or later

Mac OS X

iTunes

Review

Movies & TV Shows

Rotten Tomatoes
 93%





[iTunes Preview](#)



by Alejandro González Iñárritu
Genre: Comedy
Released: 2014
Price: \$14.99

★★★★★
562 Ratings

Birdman

Washed-up Hollywood actor Riggan Thomson (Michael Keaton), known for playing the superhero Birdman in blockbuster movies several decades earlier, attempts a comeback on Broadway. However, his path is littered with many obstacles - from an egotistical costar (Edward Norton) to nasty critics and his own self-doubt.

FIVE FACTS:

1. The full title of the film is *Birdman or (The Unexpected Virtue of Ignorance)*.
2. It was co-written, co-produced and directed by Alejandro González Iñárritu.
3. Keaton himself formerly played a superhero - in the Tim Burton Batman films.
4. Except for a few shots in the beginning and end, Birdman appears to be filmed in a single shot.
5. It was filmed in New York City in the spring of 2013.



Trailer

See more in
iTunes





Interview with Alejandro González Iñárritu

Whiplash

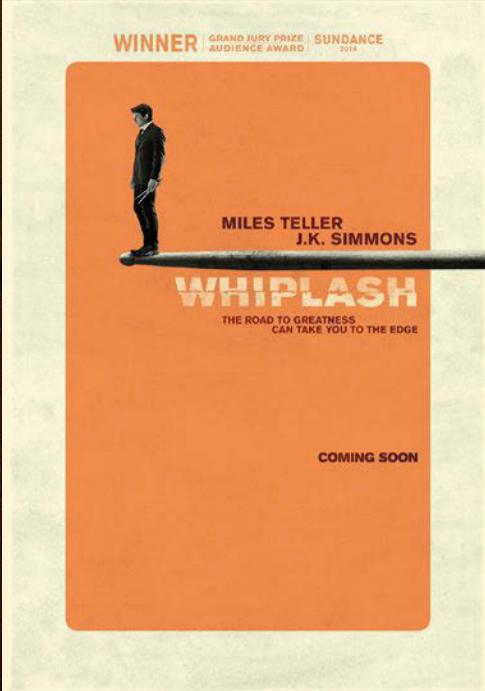
Ambitious young jazz drummer Andrew Neiman (Miles Teller) is determined to win the respect of his abusive teacher, Fletcher (J. K. Simmons), and in so doing, rise to the top of his elite east coast music conservatory. However, the intense, clashing relationship between the two egos serves to drive the perfectionist Neiman to the brink of insanity.

FIVE FACTS:

1. Whiplash was written and directed by Damien Chazelle, **based on his experiences in the Princeton High School Studio Band.**
2. Other members of the cast include Paul Reiser, Melissa Benoist and Austin Stowell.
3. The movie premiered in-competition in the US Dramatic Category at the 2014 Sundance Film Festival on January 16, 2014.
4. It won three Academy Awards for Best Film Editing, Best Sound Mixing and Best Supporting Actor for Simmons.
5. It was also nominated for Best Adapted Screenplay and Best Picture.



Rotten Tomatoes
 95%



Trailer

iTunes Preview



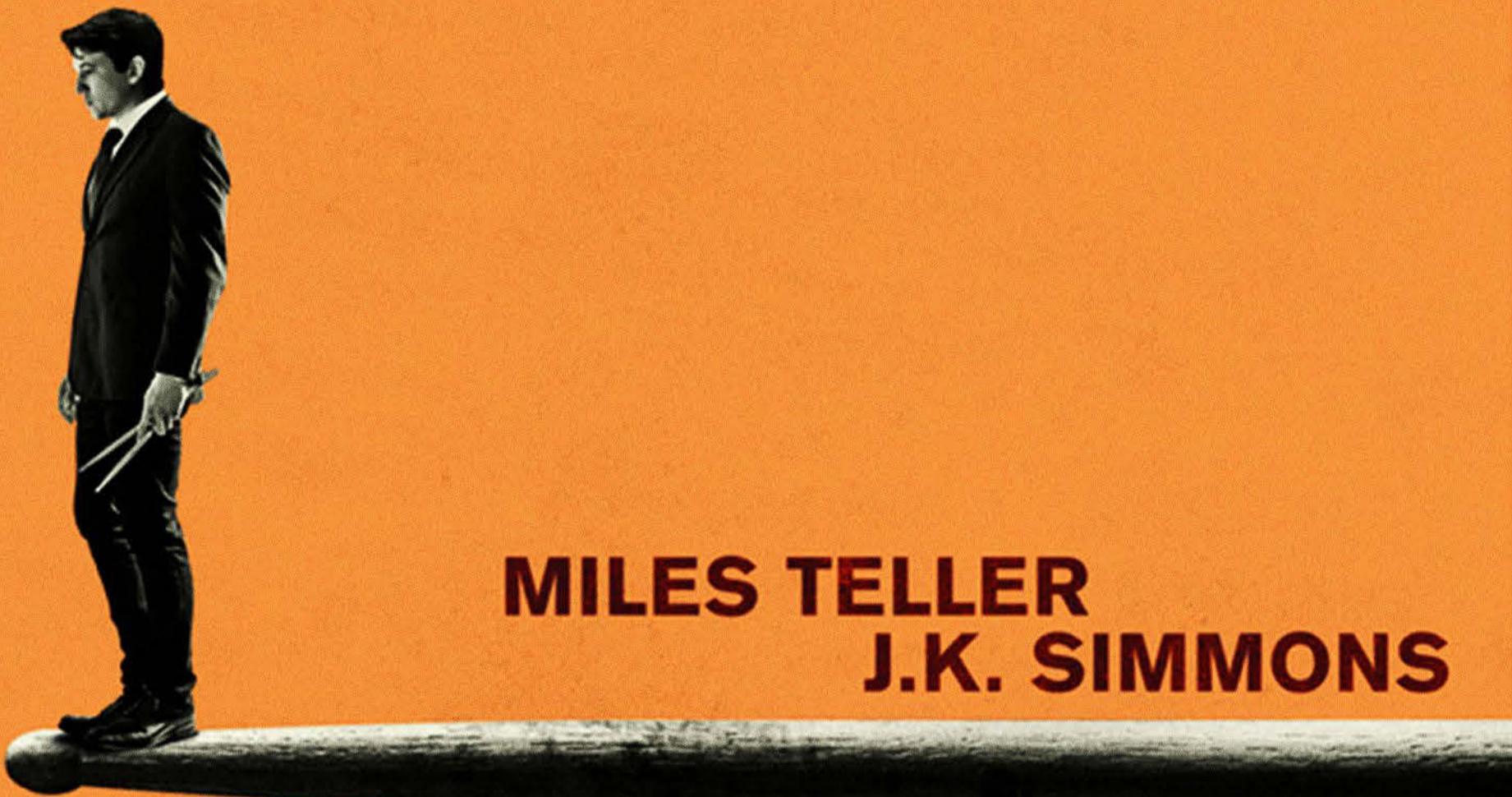
by Damien Chazelle
Genre: Drama
Released: 2014
Price: \$14.99



168 Ratings







**MILES TELLER
J.K. SIMMONS**

WHIPLASH

**THE ROAD TO GREATNESS
CAN TAKE YOU TO THE EDGE**



Interview with Miles Teller

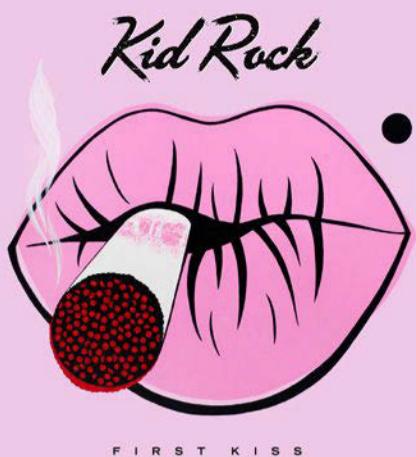
iTunes

Review

Kid Rock

Music





[iTunes Preview](#)



Genre: Rock
Released: Feb 20, 2015
10 Songs
Price: \$9.99

★★★★★
510 Ratings

First Kiss

Kid Rock

Rapper and singer-songwriter Kid Rock returns with his tenth studio album, his first since 2012's *Rebel Soul*. This self-produced effort exhibits his career-long dexterity at jumping between old school hip hop, classic rock and country, from the melancholy country number "A Beer With Dad" to the Aerosmith-esque rocker "Ain't Enough Whiskey".

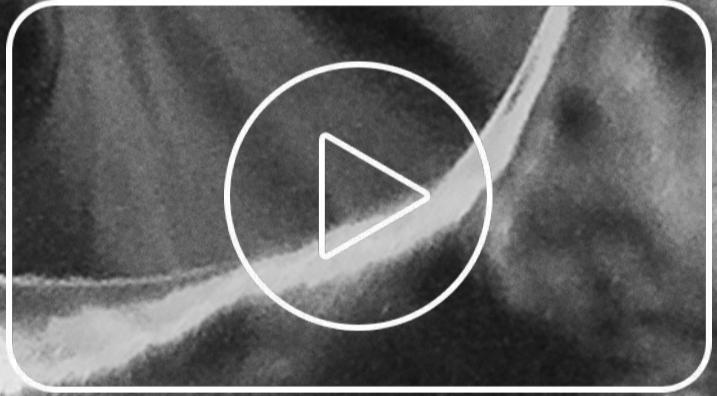
FIVE FACTS:

1. Kid Rock is the stage name of Robert James Richie.
2. He is a five-time Grammy Award nominee.
3. His 1998 album *Devil Without a Cause* **has been described by Allmusic as a "rap-rock masterpiece"**.
4. His musical influences range from Warren Zevon and Jim Croce to Hank Williams, Jr. and Johnny Cash.
5. His song "Born Free" was Republican presidential nominee Mitt Romney's political campaign theme in 2012.



First Kiss

See more in
iTunes



First Kiss (Live at Daytona 500)



Fan of a Fan the Album (Deluxe Version)

Chris Brown X Tyga

For their first collaborative album, Chris Brown and Tyga have joined forces with such producers as DJ Mustard, Nic Nac, Drumma Boy, Scott Storch and The MeKanics. Two singles have already been released from the project - "Ayo" and "Bitches N Marijuana", the latter featuring West Coast rapper Schoolboy Q.

FIVE FACTS:

1. Chris Brown was born in Tappahannock, Virginia on May 5, 1989.
2. Tyga is the stage name of Michael Ray Nguyen-Stevenson, who was born on November 19, 1989.
3. **"Ayo" reached the top 10 of the US Billboard Hot R&B/Hip-Hop Songs chart.**
4. The music video for "Ayo" was directed by Colin Tilley.
5. It features cameo appearances by comedian Mike Epps and the dance duo Les Twins.



[iTunes Preview](#)



Chris Brown



Tyga

Genre: Hip-Hop/Rap

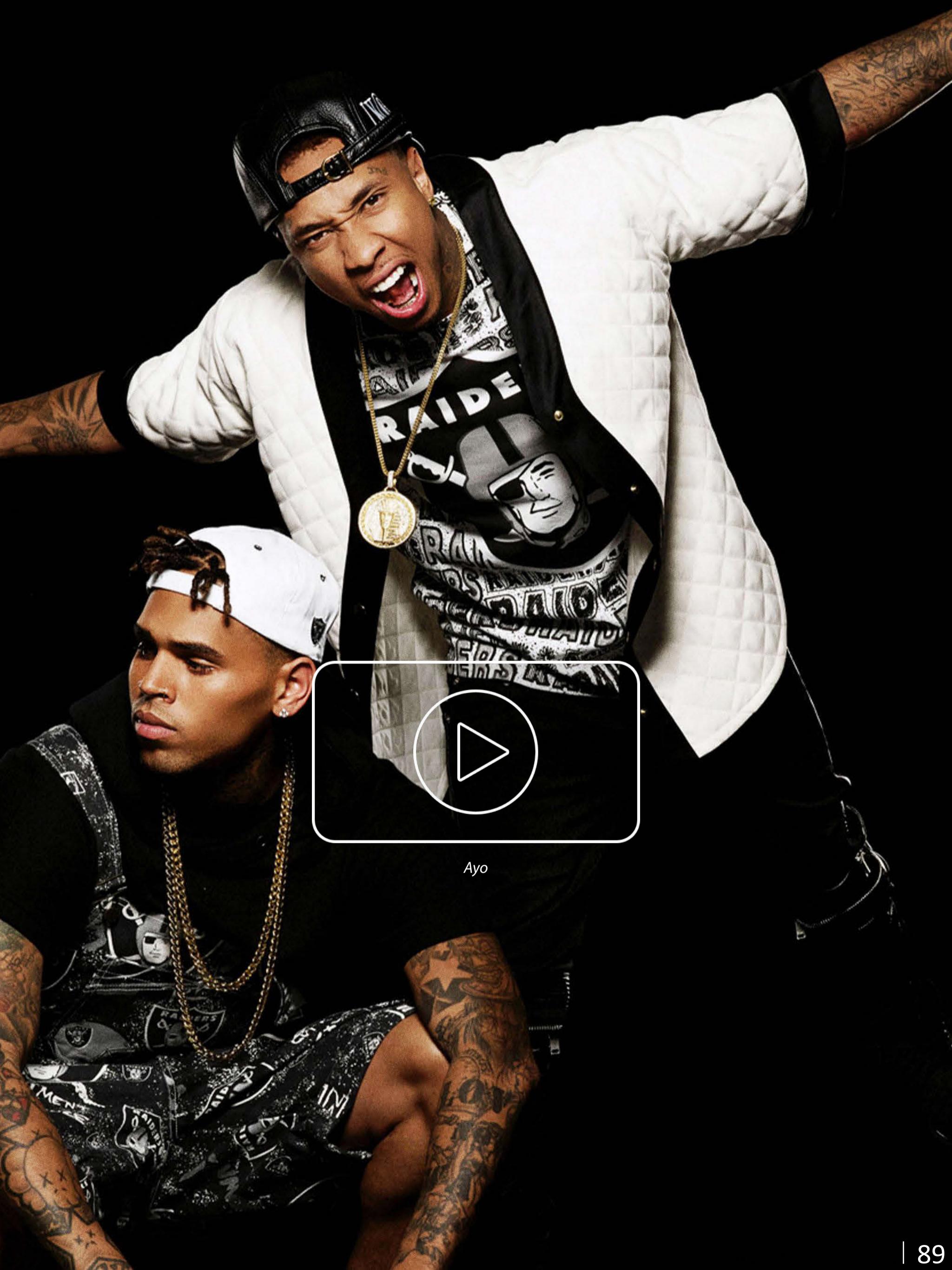
Released: Feb 20, 2015

16 Songs

Price: \$13.99



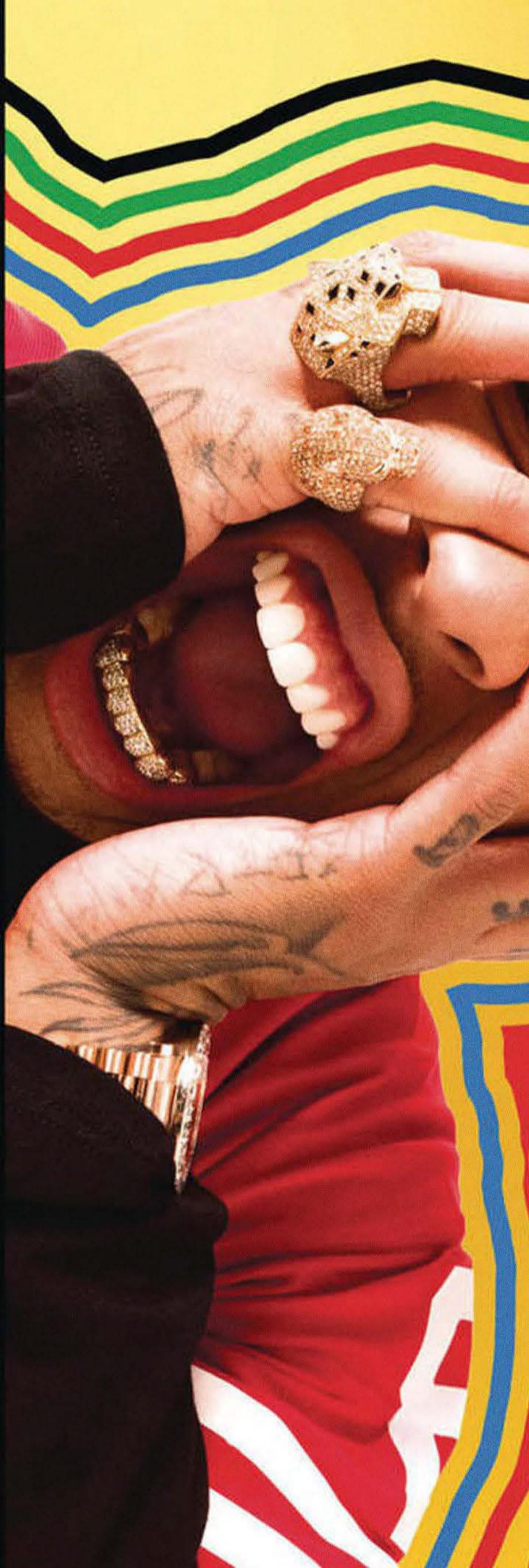
918 Ratings



Ayo



F
A
M
A
F
A
F
A
F



Interview with Chris Brown and Tyga



APPLE TO SET UP HIGH-TECH DATA HUBS IN NORTHERN EUROPE





Planned Apple data center in Denmark

Apple is investing 1.7 billion euros (\$1.92 billion) in high-tech data centers in Denmark and Ireland that will be powered by renewable energy, in its largest such project in Europe to date, the company said Monday.

The hubs, to begin operations in 2017, will power data for Apple Inc.'s online services, including iTunes Store, App Store, iMessage, Maps and Siri voice services.

Apple said it has increased operations in Europe, spending more than 7.8 billion euros on European companies and suppliers last year and supporting some 670,000 jobs in the region. Its own employees grew by 2,000 and number 18,300 people in 19 European countries.

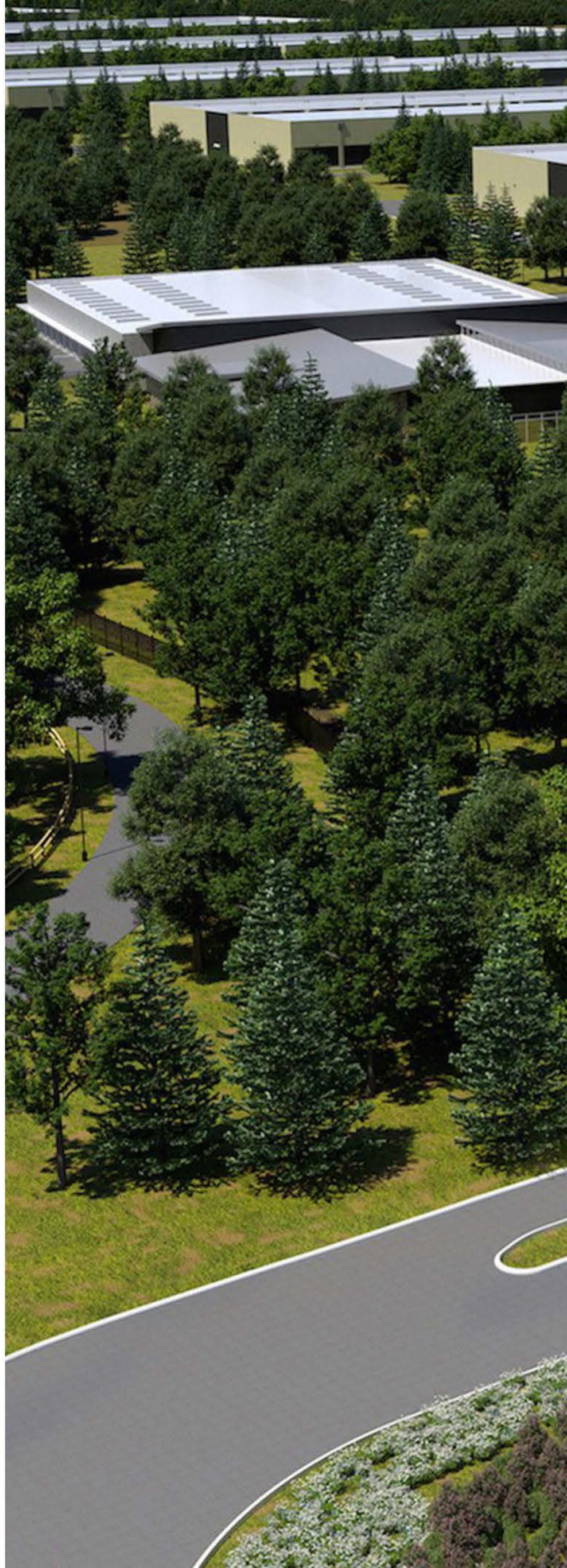
The technology giant joins Microsoft, Google and Facebook in building data centers in northern Europe, where the colder climate helps save on equipment cooling costs.

Apple CEO Tim Cook described the centers as "some of our most advanced green building designs yet." They will use renewable energy, including wind power.

In Ireland, Apple will recover land previously used for growing and harvesting non-native trees and restore native trees to a local forest, providing an outdoor education site for local schools and a walking trail.

The Danish center will be located next to one of the country's largest electrical substations, designed to capture excess heat from equipment in the data hub and conduct it into the district heating system to warm homes in the area.

The data centers will be based in central Denmark's Jutland and Athenry, County Galway, in Ireland.





Planned Apple data center in Ireland

YOUR BRAND HAS NEVER BEEN IN SUCH GOOD COMPANY



APPLEMAGAZINE.COM

It's all about Apple
The right magazine for the right audience



Apple Magazine

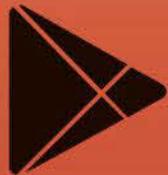
is Now available on
Apple iPhone/iPad/Android/Windows8
and Web



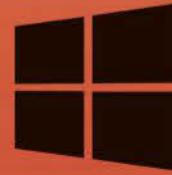
Download And Read it
on Magzter



From your Apple iPad please go to
App Store and search for Magzter



From your Android Tablet please go to
Google Play and search for Magzter



From your Windows8 device please go to
Windows Store and search for Magzter

SCIENCE





MOST OF
GREAT LAKES
SURFACE
FROZEN FOR
SECOND
STRAIGHT
YEAR





For the second consecutive winter, bitter weather threatens to turn the surface of the Great Lakes into a vast, frozen plain.

Nearly 81 percent of the lakes' surface area was covered with ice, the NOAA Great Lakes Environmental Research Laboratory reported Friday. That was down slightly from more than 85 percent the previous day - a glitch that probably happened because strong winds broke apart some ice and created open spots detected by satellites, said George Leshkevich, a physical scientist with the lab in Ann Arbor.

But with forecasts calling for frigid weather at least through the end of the month, the ice cover may keep expanding, he said. It's grown rapidly as temperatures have plunged this month, nearly doubling over the past couple of weeks.

Records show the lakes' most widespread freeze was 94.7 percent in 1979. The ice cover topped out at 92.2 percent last March.

Significant portions of the lakes typically froze over decades ago, Leshkevich said, but the frequency of severe winters has declined since the late 1990s.

"Two almost record-setting years back to back would be very unusual," he said.

One likely explanation for the rapid buildup this month is that 2014's freeze lasted so long - Lake Superior wasn't completely ice-free until June - and summer was so mild that the lakes didn't absorb much heat, he said. "So we started this season with below-water temperatures to begin with."

The ice blanket reaches across more than 90 percent of Lakes Superior, Huron and Erie, while Lakes Michigan and Ontario are more than halfway covered.

It has produced some spectacular visual images, from ice caves along the Lake Michigan shoreline to a glacial buildup making it appear that Niagara Falls had frozen in place.

But it's a headache for the Coast Guard, whose cutters open channels for vessels hauling vital



cargo such as heating oil and road salt. The Detroit-based tug Bristol Bay has struggled for days to free the Arthur M. Anderson, a freighter stranded about 70 miles east of Cleveland in ice up to 10 feet thick. The Canadian Coast Guard has dispatched an icebreaker to assist.

The job has taken so much longer than expected that the Bristol Bay's crew ran low on food and had to receive a delivery by helicopter, which lowered supplies in their rescue basket.

Things will get even busier in mid-March, when the shipping season begins for the lakes' regular traffic of vessels carrying iron ore, coal, grain and other bulk cargo.

"We're probably going to be looking at situations like we had last year, where we had to put together convoys - lots of vessels together to make it through," Coast Guard spokesman Lorne Thomas said.



DISNEY ANIMATORS WIN OSCAR
2 YEARS IN A ROW









The Walt Disney Co. proved Sunday that its power doesn't only come from Pixar.

For the second year in a row, Disney Animation won an Academy Award for best animated feature, as "Big Hero 6" followed up last year's "Frozen" win. The studio's "Feast" also won for best animated short. Neither film is connected to the company's Pixar unit, which Disney bought in 2006 for \$7.4 billion in stock. Since then, the Disney Pixar combo had scooped up most animated feature Oscars (Paramount's "Rango" won in 2011) with blockbusters including "Finding Nemo," "Toy Story 3" and "Brave." Pixar didn't release a film in 2014.

"Big Hero 6," is Disney's first animated film to take advantage of the company's 2009 acquisition of Marvel. Based on a Marvel Comic, "Big Hero 6" explores the friendship that develops between a science-geek teenager and an inflatable robot. The win shows that Disney has "deepened its bench" with the Marvel deal and 2012 acquisition of Star Wars owner Lucasfilm, said Seth Shapiro, a professor at the University of Southern California's School of Cinematic Arts.

"Those are game changers, so the win is not so much a sign necessarily of Pixar weakening," he said.

"Big Hero 6" might not have the fame of "Frozen," but it has done very well in theaters. It opened in November and in just two months was the 10th top grossing film in North America for 2014 with \$201.5 million. The Oscar win will have a positive effect on future earnings power, said Paul Dergarabedian, senior media analyst for box-office tracker Rentrak, although the effect is difficult to quantify. It will probably boost sales internationally, where "Big Hero 6" is still generating millions in theaters. And likely spur video and rental revenue, if audiences who haven't seen the film now decide to see it or previous viewers decide they want a repeat viewing.



In general, studios get roughly half of the theatrical box office after splitting revenue with theaters, he said.

"No matter what, the Oscar win for "Big Hero 6" brings enormous cachet and prestige to the title and to Disney and will live on with the film as parts of its legacy forever," he added. "Not only that, the Oscar will now become a very effective part of any marketing campaign for the film."

Animation was the bright spot on Sunday for Walt Disney Co. Other Disney properties, including musical "Into the Woods," Marvel's "Guardians of the Galaxy" and "Maleficent" were nominated in some categories but did not win.

Meanwhile, Disney Pixar will be back in action soon: "Inside Out" and "The Good Dinosaur" will hit theaters later this year. A sequel to "Finding Nemo," called "Finding Dory," is due in 2016 and in 2017 the unit plans to release "Toy Story 4," directed by original "Toy Story" director John Lasseter.

Shares of Burbank, California-based Disney rose 55 cents to \$105.10 in afternoon trading. The stock has been up 11 percent since the beginning of the year.





WE DRA

I BET MY LIFE

TOP 10 SONGS



GON

UPTOWN FUNK (FEAT. BRUNO MARS)

MARK RONSON

LOVE ME LIKE YOU DO

(FROM "FIFTY SHADES OF GREY")

ELLIE GOULDING

THINKING OUT LOUD

ED SHEERAN

FOURFIVESECONDS

RIHANNA AND KANYE WEST AND PAUL McCARTNEY

EARNED IT

(FROM "FIFTY SHADES OF GREY")

THE WEEKND

GLORY

(FROM THE MOTION PICTURE "SELMA")

COMMON & JOHN LEGEND

STYLE

TAYLOR SWIFT

TAKE ME TO CHURCH

HOZIER

I BET MY LIFE

IMAGINE DRAGONS

TIME OF OUR LIVES

PITBULL & NE-YO





TOP 10 ALBUMS

FIFTY SHADES OF GREY

(ORIGINAL MOTION PICTURE SOUNDTRACK)

VARIOUS ARTISTS

SMOKE + MIRRORS

IMAGINE DRAGONS

1989

TAYLOR SWIFT

X (DELUXE EDITION)

ED SHEERAN

IN THE LONELY HOUR (DELUXE VERSION)

SAM SMITH

MONTEVALLO

SAM HUNT

THE UNDERDOG

AARON WATSON

AMERICAN BEAUTY / AMERICAN PSYCHO

FALL OUT BOY

GUARDIANS OF THE GALAXY:

AWESOME MIX, VOL. 1

(ORIGINAL MOTION PICTURE SOUNDTRACK)

VARIOUS ARTISTS

TITLE (DELUXE)

MEGHAN TRAINOR





TOP 10 MUSICVIDEOS

UPTOWN FUNK (FEAT. BRUNO MARS)

MARK RONSON

SHAKE IT OFF

TAYLOR SWIFT

STYLE

TAYLOR SWIFT

BLANK SPACE

TAYLOR SWIFT

ALL ABOUT THAT BASS

MEGHAN TRAINOR

LIVING FOR LOVE

MADONNA

LIPS ARE MOVIN

MEGHAN TRAINOR

I'M NOT GONNA MISS YOU

GLEN CAMPBELL

TIME OF OUR LIVES

PITBULL

ELASTIC HEART

SIA





TOP 10 TV SHOWS

NO MORE BLOOD

SCANDAL, SEASON 4

THEM

THE WALKING DEAD, SEASON 5

NACHO

BETTER CALL SAUL, SEASON 1

MERCENARY

VIKINGS, SEASON 3

THE KENYON FAMILY (NO. 71)

THE BLACKLIST, SEASON 2

THE GREAT PRETENDER

GREY'S ANATOMY, SEASON 11

MAMA'S HERE NOW

HOW TO GET AWAY WITH MURDER, SEASON 1

DERAILED

SUITS, SEASON 4

WHAT HAPPENED AND WHAT'S GOING ON

THE WALKING DEAD, SEASON 5

THE COMIC BOOK STORE REGENERATION

THE BIG BANG THEORY, SEASON 8

SPC

BL
THR



TOP 10 BOOKS

THE GIRL ON THE TRAIN

PAULA HAWKINS

FIFTY SHADES OF GREY

E L JAMES

FIFTY SHADES DARKER

E L JAMES

FIFTY SHADES FREED

E L JAMES

AMERICAN SNIPER

CHRIS KYLE AND OTHERS

THE DUFF

KODY KEPLINGER

GONE GIRL

GILLIAN FLYNN

THE NIGHTINGALE

KRISTIN HANNAH

A SPOOL OF BLUE THREAD

ANNE TYLER

STILL ALICE

LISA GENOVA



Health





EARLY
EXPOSURE TO
PEANUTS
HELPS
PREVENT
ALLERGIES IN
KIDS





For years, parents of babies who seem likely to develop a peanut allergy have gone to extremes to keep them away from peanut-based foods. Now a major study suggests that is exactly the wrong thing to do.

Exposing infants like these to peanuts before age 1 actually helped prevent a peanut allergy, lowering that risk by as much as 81 percent, doctors found. Instead of provoking an allergy, early exposure seemed to help build tolerance.

Dr. Anthony Fauci, director of the National Institute of Allergy and Infectious Diseases, called the results “without precedent” and said in a statement that they “have the potential to transform how we approach food allergy prevention.”

His agency helped fund the study, the largest and most rigorous test of this concept. Results were published online Monday in the New England Journal of Medicine and discussed at an American Academy of Allergy, Asthma and Immunology conference in Houston.

A big warning, though: The babies in the study were checked to make sure they didn't already have a peanut allergy before they were fed foods that included peanuts, so parents of babies thought to be at risk for an allergy should not try this on their own.

"Before you even start any kind of introduction these children need to be skin-tested" to prevent life-threatening reactions, said Dr. Rebecca Gruchalla, an allergy specialist at the University of Texas Southwestern Medical Center in Dallas.

Also, small children can choke on whole peanuts, so smooth peanut butter or other peanut-based foods are safer, said Gruchalla, who wrote a commentary on the study in the journal.

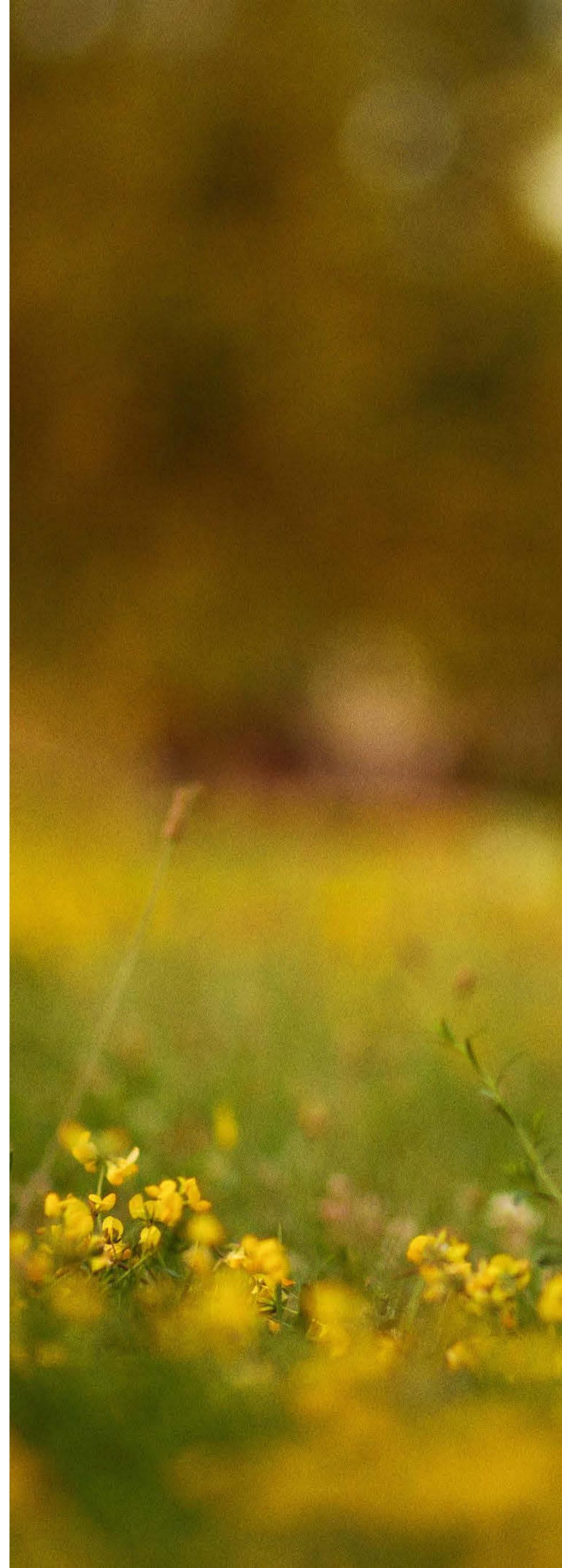
The main finding - that early exposure to a problem food may keep it from becoming a long-term problem - should change food guidelines quickly, she predicted.

"Isn't it wild? It's counterintuitive in certain ways and in other ways it's not," she said.

Peanut allergies have doubled over the last decade and now affect more than 2 percent of kids in the United States and growing numbers of them in Africa, Asia and elsewhere. Peanuts are the leading cause of food allergy-related severe reactions and deaths. Unlike many other allergies, this one is not outgrown with age.

Food allergies often are inherited, but research suggests they also can develop after birth and that age of exposure may affect whether they do.

Researchers at King's College London started this study after noticing far higher rates of peanut allergies among Jewish children in London who









were not given peanut-based foods in infancy compared to others in Israel who were.

The study involved more than 600 children ages 4 months to 11 months old in England. All were thought to be at risk for peanut allergy because they were allergic to eggs or had eczema, a skin condition that's a frequent allergy symptom.

All had been given skin-prick tests to make sure they were not already allergic to peanuts. They were put into two groups - 530 who did not show signs of peanut allergy and 98 others with mild-to-moderate reactions, suggesting an allergy might be developing.

Half of each group was assigned to avoid peanuts and the other half was told to consume them each week, usually as peanut butter or a snack called Bamba, a peanut-flavored puff.

The results at 5 years of age:

-Among children with no sign of allergy on the skin test: Only 2 percent of peanut eaters developed a peanut allergy versus 14 percent of abstainers.

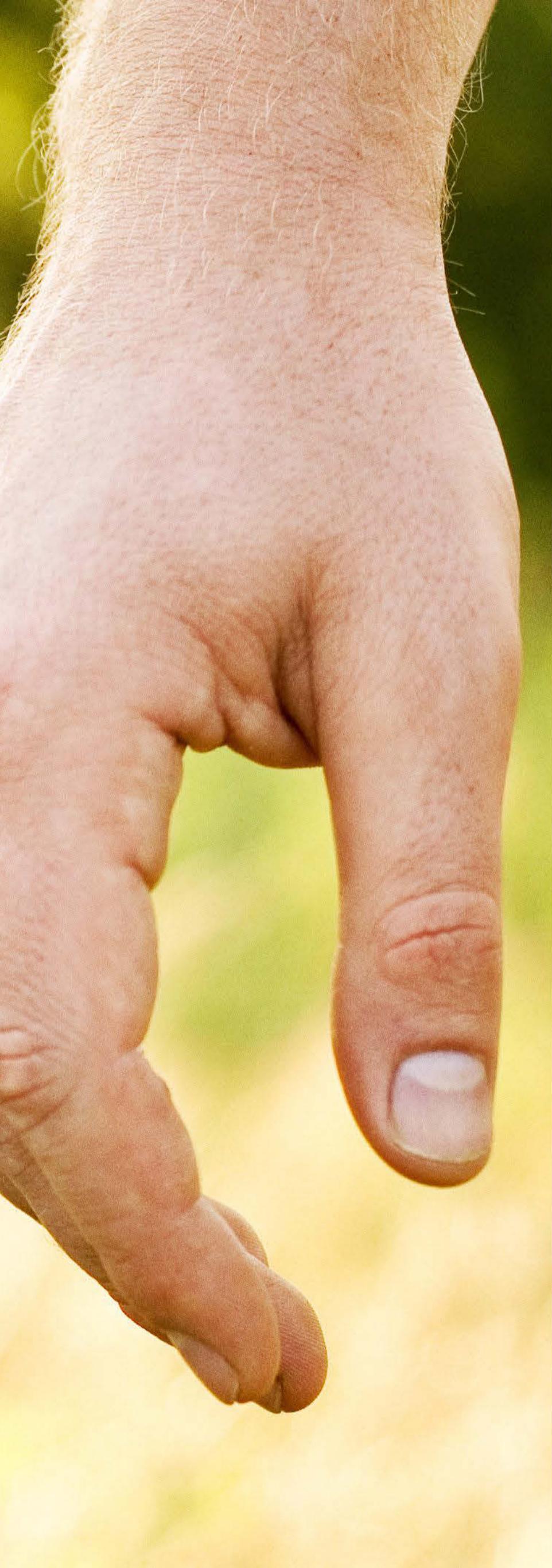
-Among children with some reaction to peanuts on the skin test: Only 11 percent of peanut eaters developed an allergy versus 35 percent of abstainers.

Hospitalizations and serious reactions were about the same in all groups.

Questions remain: How much peanut protein do infants need to consume, how often and for how long, to avoid allergy? If a child stops eating peanuts for a while, will an allergy develop? Would the same approach work for other foods such as milk, eggs and tree nuts?

"These questions must be addressed, but we believe that because the results of this trial are so compelling, and the problem of the increasing prevalence of peanut allergy so alarming, new guidelines should be forthcoming very soon,"





Gruchalla and Dr. Hugh Sampson of Mount Sinai Hospital in New York write in the medical journal.

American Academy of Pediatrics guidelines used to recommend against giving children foods with peanuts before age 3, but that advice was dropped in 2008 because there was no evidence it was preventing allergies. Now, most parents introduce peanut-based foods as is appropriate for the child's age, like other solid foods.

Gruchalla thinks that babies with some signs of a peanut allergy risk, such as parents who are allergic, should have a skin test between 4 and 8 months of age. If it's negative, they should be started on peanut products as the babies in this study were. If they show some sensitivity to peanuts, a "food challenge" monitored by a doctor experienced at this should be tried.

For children who already have peanut allergies, researchers have been experimenting with small regular amounts of exposure to try to train them to tolerate those foods. But these are still experimental and must be done with the help of a doctor.

Online:

Journal: <http://www.nejm.org>

YOUR BRAND HAS NEVER BEEN IN SUCH GOOD COMPANY



APPLEMAGAZINE.COM

It's all about Apple
The right magazine for the right audience

MASTHEAD

APPLEMAGAZINE INTERNATIONAL
applemagazine.com

SOCIAL NETWORKS



Twitter
[@apple_magazine](https://twitter.com/#!/Apple_Magazine)
twitter.com/#!/Apple_Magazine



Facebook
facebook.com/applemagazineinternational

SUBSCRIPTIONS

AppleMagazine Website
applemagazine.com

Zinio LLC.
zino.com

PixelMags / Readr Newsstand
pixelmags.com

Amazon Newsstand
amazon.com

Scoop Newsstand (Singapore)
getscoop.com

CONTACTS

Executive Director - ceo@applemagazine.com
Relationship Management - crm@applemagazine.com
Magazine and Website Editor - editor@applemagazine.com
Advertise - ads@applemagazine.com
Social Network - network@applemagazine.com
Promotions - promo@applemagazine.com

EXECUTIVE DIRECTOR

Ivan Castilho
Executive Director / Design Conception

MINDFIELD DIGITAL ART & GRAPHIC DESIGN

Glauco Ribeiro
Art & Graphic Design Director

Raphael Vieira
Art & Graphic Design

Tandisson Braga
Art & Graphic Design

WRITERS

Precise English Inc.
Benjamin Kerry (UK)
Gavin Lenaghan (UK)
Elena Lusk (US)

APPLEMAGAZINE WEBSITE

Elena Lusk (US)
Kyron Timbs (AUSTRALIA)

COLUMNS

iTunes Review
Benjamin Kerry

Finance News
Associated Press / Bloomberg

REVISION

Gavin Lenaghan
Elena Lusk

SPECIAL THANKS

Rui da Costa
Lise Berda
James Jarvis
Lauren Brown
Damien Oh
Robert Fluellen
Talita Nakazato
Held Souza
Raquel Serrano

PRIVACY POLICY
applemagazine.com/privacy-policy/

TERMS OF USE
applemagazine.com/terms-of-use/

Authorized Publisher

AP Associated Press **The New York Times** **BBCNEWS** **Bloomberg** **Los Angeles Times**
UPI.com **SUN** **PR Newswire** **DailyPress**

AppleMagazine © Copyright 2014-2011. All Rights Reserved.

No part of the document may be circulated, quoted, or reproduced for distribution without prior written approval.

Proper Trademark Notice and Attribution iPad™, iPhone™, iPod™, Mac™, iMac™, Macbook™, iOS™, OS X™ are trademarks of Apple Inc., registered in the US and other countries. Please contact support for additional trademark ownership rights information.

The following is a list of Apple's trademarks and service marks <http://www.apple.com/legal/trademark/applelist.html>. All other trademarks are the properties of their owners.

AppleMagazine is an independent publication and has not been authorized, sponsored, or otherwise approved by Apple Inc.

Apple Magazine™

AppleMagazine.com